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AERO REPORT 1069

433470

NAVY DEPARTMENT  
THE DAVID W. TAYLOR MODEL BASIN  
AERODYNAMICS LABORATORY

WASHINGTON 7 DC

WIND TUNNEL INVESTIGATION OF A 1/6-SCALE V-STOL MODEL (BELL X-22A)  
PART I - VERTICAL TAIL AND WING TRAILING EDGE MODIFICATIONS

by

Mark P. Schultz

Problem Assignment 1-34-49

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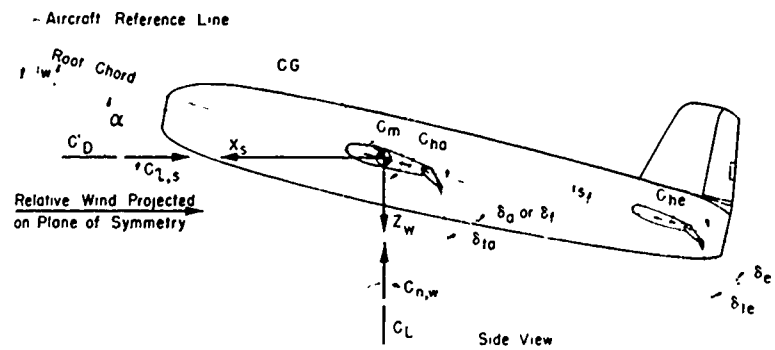
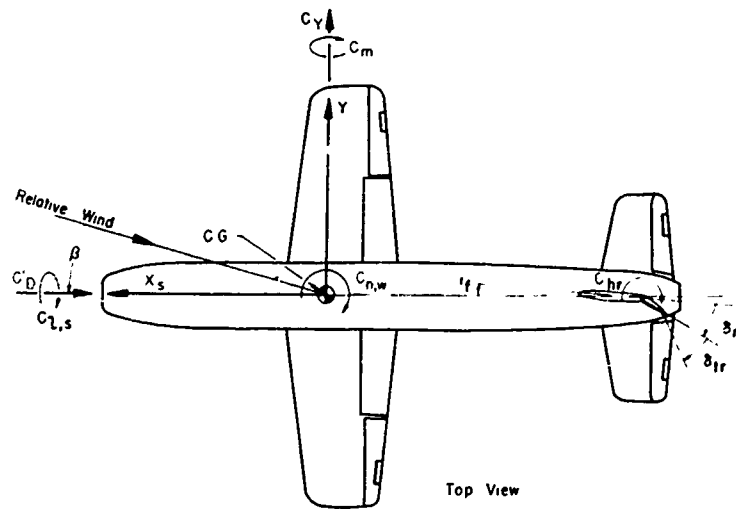
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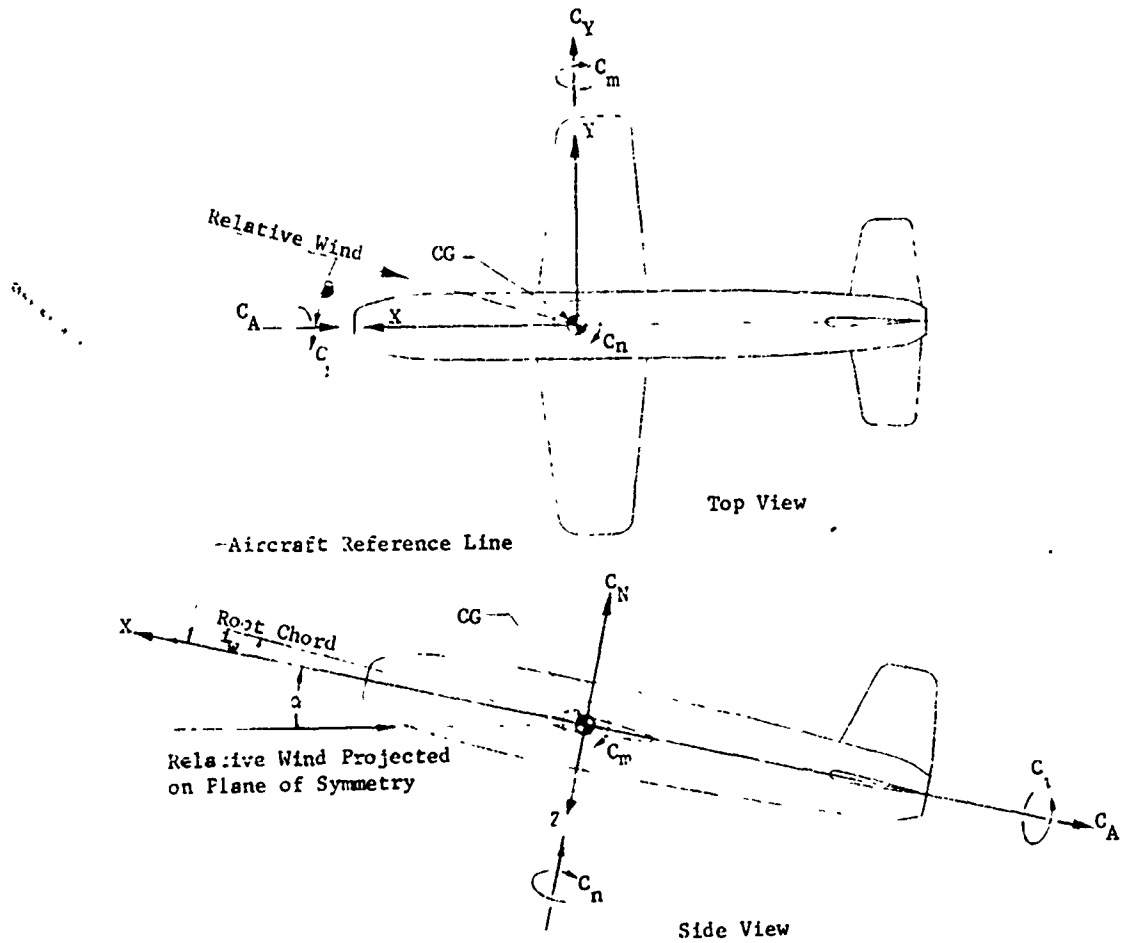
# Notation for Stability Axes

Positive directions of axes, forces, moments, and angular displacements are shown by arrows.





## Notation for Body Axes



Note: Positive directions of axes, forces, moments, and angular displacements are shown by arrows.

## Aerodynamic Coefficients

## 1. Stability Axes System (See p. i)

$C_L$	lift coefficient	$\frac{F_L}{qS}$
$C_D$	drag coefficient	$\frac{F_D}{qS}$
$C_Y$	side-force coefficient	$\frac{F_Y}{qS}$
$C_m$	pitching-moment coefficient	$\frac{M_Y}{qS\bar{c}}$
$C_{l,s}$	rolling-moment coefficient	$\frac{M_{Xs}}{qSb}$
$C_{n,w}$	yawing-moment coefficient	$\frac{M_{Zw}}{qSb}$

## 2. Body-Axes System (See p. ii)

$C_N$	normal-force coefficient	$\frac{F_N}{qS}$
$C_A$	axial-force coefficient	$\frac{F_A}{qS}$
$C_Y$	side-force coefficient	$\frac{F_Y}{qS}$
$C_m$	pitching-moment coefficient	$\frac{M_Y}{qS\bar{c}}$
$C_{l,s}$	rolling-moment coefficient	$\frac{M_{Xs}}{qSb}$
$C_{n,w}$	yawing-moment coefficient	$\frac{M_{Zw}}{qSb}$

## COMPLERATION SYMBOLS

B	fuselage
BT <sub>1</sub>	modified fuselage (boattail)
D <sub>A(-)</sub>	aft ducts (WL 27.50, model scale)
D <sub>F(-)</sub>	forward ducts in design vertical position (WL 23.50, model scale)
D <sub>FL(-)</sub>	forward ducts in high position (WL 27.25, model scale)
D <sub>FL(-)</sub>	forward ducts in low position (WL 21.63, model scale)
D <sub>FN(A)</sub>	forward ducts in medium high position (WL 25.47, model scale)
E <sub>A(-)</sub>	aft elevons
E <sub>F(-)</sub>	forward elevons
E <sub>F(-)</sub>	short-chord forward elevons
G	landing gear extended
H <sub>A(a)</sub>	design outboard stabilizer (NACA section 64A415)
L	landing gear fairing
N <sub>(1)</sub>	engine nacelles
R <sub>(-)</sub>	rudder
S	window blisters
V <sub>2(x)</sub>	basic vertical tail
V <sub>4(x)</sub>	flat-plate vertical tail, design vertical tail planform
V <sub>5(x)</sub>	dorsal fin with basic vertical tail
V <sub>6(x)</sub>	blunt leading edge on design vertical tail
V <sub>p</sub>	flat-plate vertical tail
W <sub>A(1)</sub>	design inboard wing (section NACA 64A420)
W <sub>C(1)</sub>	large inboard wing (section NACA 64A420)
W <sub>D(1)</sub>	design inboard wing (NACA 64A420) with 3-inch trailing-edge extension

## CONFIGURATION SYMBOLS (Concluded)

$W_{E(1)}$	design inboard wing (NACA 64A-20) with triangular trailing-edge extension
$V_1$	small ventral fin
$V_2$	large ventral fin

## Subscripts

$\alpha$	angle of incidence of outboard stabilizer ( $\theta_A$ ) with respect to the duct center line								
$i$	angle of incidence with respect to fuselage water line (applies to wing or nacelle)								
$x$	vertical tail (V) location, defined by one of the following: <table data-bbox="479 808 1172 1021"> <tr> <td>A</td><td>ait position (station 484, full scale)</td></tr> <tr> <td>F</td><td>forward position (station 466, full scale)</td></tr> <tr> <td>AT</td><td>T-tail, ait position</td></tr> <tr> <td>OFF</td><td>vertical tail removed</td></tr> </table>	A	ait position (station 484, full scale)	F	forward position (station 466, full scale)	AT	T-tail, ait position	OFF	vertical tail removed
A	ait position (station 484, full scale)								
F	forward position (station 466, full scale)								
AT	T-tail, ait position								
OFF	vertical tail removed								
$\delta$	deflection of elevator (E) with respect to duct center line								
$\lambda$	incidence angle of duct (D) with respect to fuselage water line								
$\delta_r$	deflection angle of rudder (R)								

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Aero Report 1066

AERODYNAMICS LABORATORY  
DAVID TAYLOR MODEL BASIN  
UNITED STATES NAVY  
WASHINGTON, D. C.

WIND TUNNEL INVESTIGATION OF A 1/6-SCALE V/STOL MODEL (BELL X-22A)  
PART I - VERTICAL TAIL AND WING TRAILING EDGE MODIFICATIONS

by

Mark P. Schultz

SUMMARY

A 1/6-scale model of a ducted-propeller V/STOL aircraft (Bell X-22A) was tested in an 8- by 10-foot, rectangular, atmospheric wind tunnel. The investigation was restricted to the cruise regime in which longitudinal stability and directional stability of various configurations of the basic aircraft were studied. These modifications to the vertical tail and the wing trailing edge were investigated in an attempt to improve stability. Tabulated data are presented in both stability axes and body axes systems.

INTRODUCTION

The Bell Aerosystems Company is under contract to the United States Navy to design and build a research-type, tandem ducted-propeller V/STOL aircraft. Unpowered model wind-tunnel tests of the preliminary design had been previously conducted at the University of Texas. The test described in this report was intended to determine longitudinal and lateral stability characteristics and control effectiveness of modifications of the previously tested design.

The range of test variables was restricted to the cruise regime.

This test was performed in several phases during the period from 1 March 1963 to 23 April 1963 as requested by Reference 1. Copies of reduced data in nondimensional form were forwarded to Bell Aerosystems Company shortly after completion of the tests.

#### APPARATUS

The test was conducted in one of the 8- by 10-foot, rectangular, atmospheric-pressure, subsonic wind tunnels at the David Taylor Model Basin. A two-strut fuselage support system was used to attach the model to the wind-tunnel balance system during the major portion of the investigation. However, during the ventral fin investigation, a single fuselage strut support system was used. The single fuselage strut incorporated a model pitching mechanism enclosed in the fuselage.

#### MODEL

A 1/6-scale model consisting of a steel framework supporting a fiberglass shell was made available by Bell Aerosystems Company for use in this test (see Figures 1 and 2 and Table 1). Duct position and attitude and wing attitude could be varied. Various wing trailing-edge and vertical-tail configurations were installed on the model as the investigation proceeded (Figure 3). Model configuration is described by the code listed in the notation.

#### TESTS AND RESULTS

The force and moment data for the configurations tested were reduced by means of an ALWAC III-E digital computer to nondimensional coefficient form in both the stability axes system and the body axes system (see notation). Corrections were applied to the data to account for solid blockage, horizontal buoyancy, and downwash. Downwash corrections were computed assuming that the model lift was developed by the rear wing assembly:

$$\Delta\alpha = (0.5470)C_L$$

$$\Delta C_D = (0.00955)C_L^2$$

where  $C_L$  represents total lift on the model.

The air loads and interference effects due to both the single-strut support system and the two-strut support system were removed from the data. Tabulated data are presented in Table 2. A schedule of the wind tunnel test runs that made up the test program is presented in Table 3. Runs 1 through 29 are omitted from the schedule because they were intended only to indicate model support system interference effects and air loads.

Aerodynamics Laboratory  
David Taylor Model Basin  
Washington, D. C.  
December 1963

#### REFERENCE

1. EUWEPS Problem Assignment 1-34-49 of 11 Dec 1962



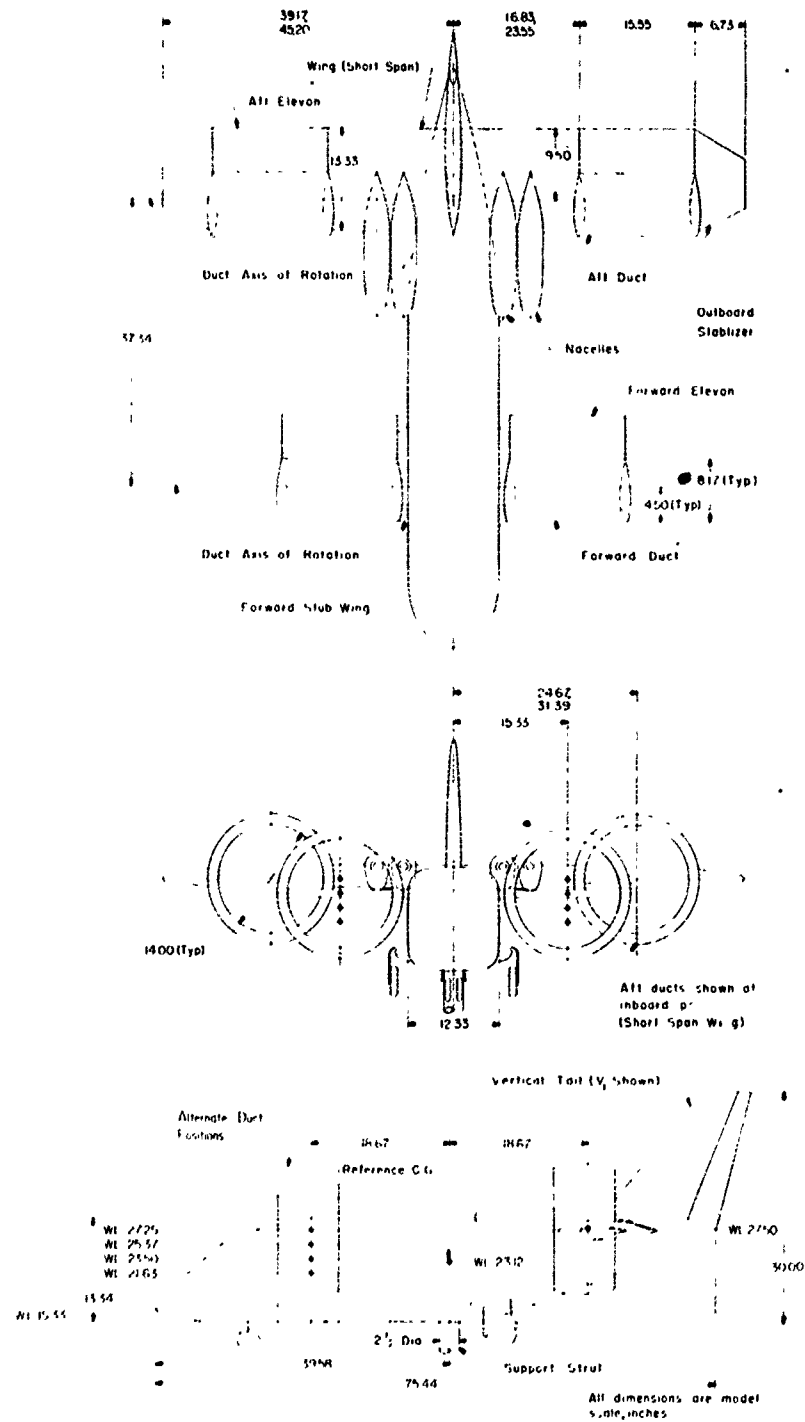


Figure 1 - Bell X-22A 1/6 Scale  
Wind Tunnel Model

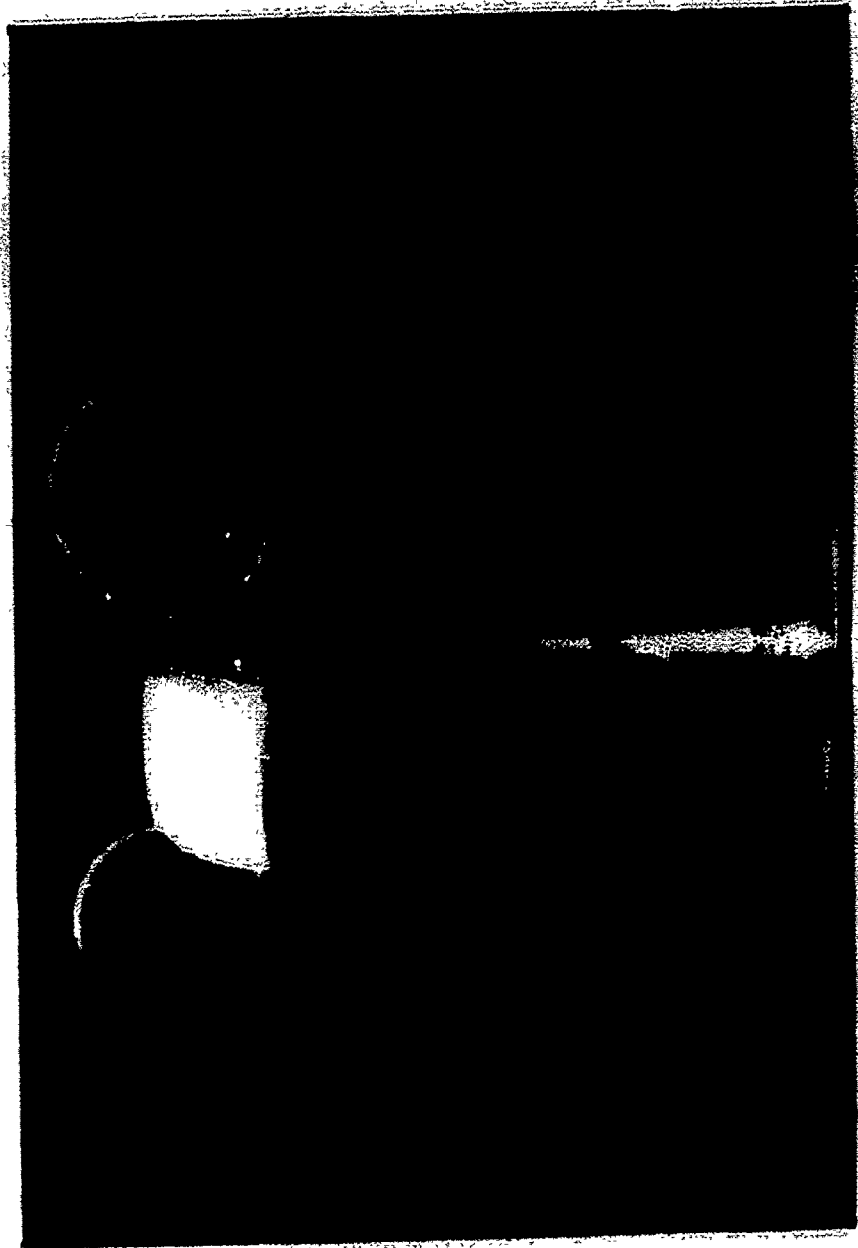
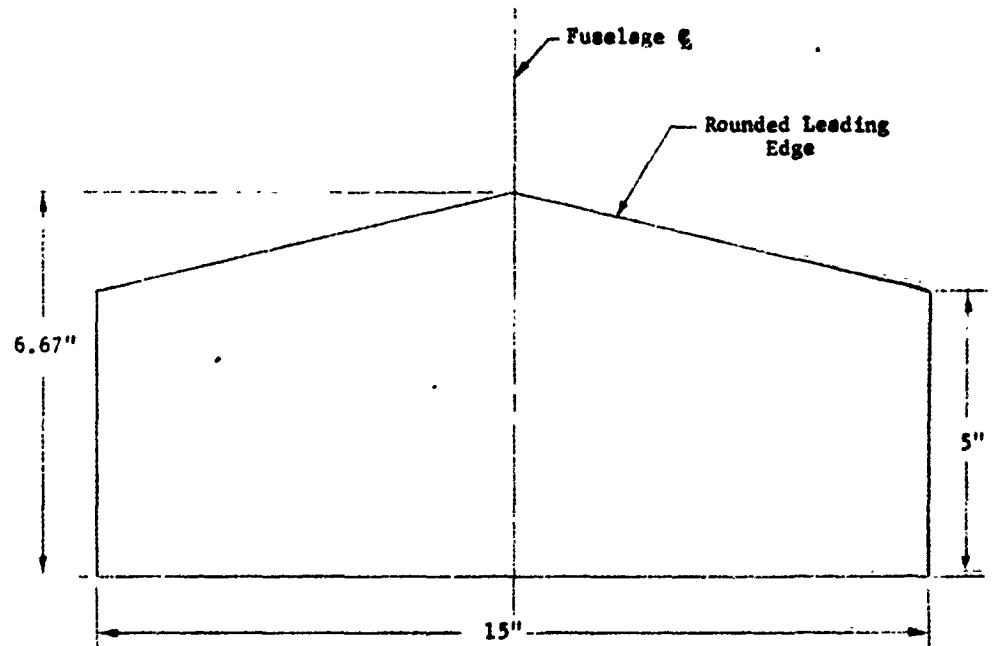


Figure 2 -- The 1/6-Scale Model of the X-22A Installed in the Test Section  
(Looking Downstream)

April 23, 1963

P80-311,368

Material: 1/2"-thick aluminum



Area = 0.605 square feet (model scale)

Angle of Incidence =  $0^\circ$

Figure 3 - Configuration Modifications

(a) T-Tail Surface ( $V_{4AT}$ )

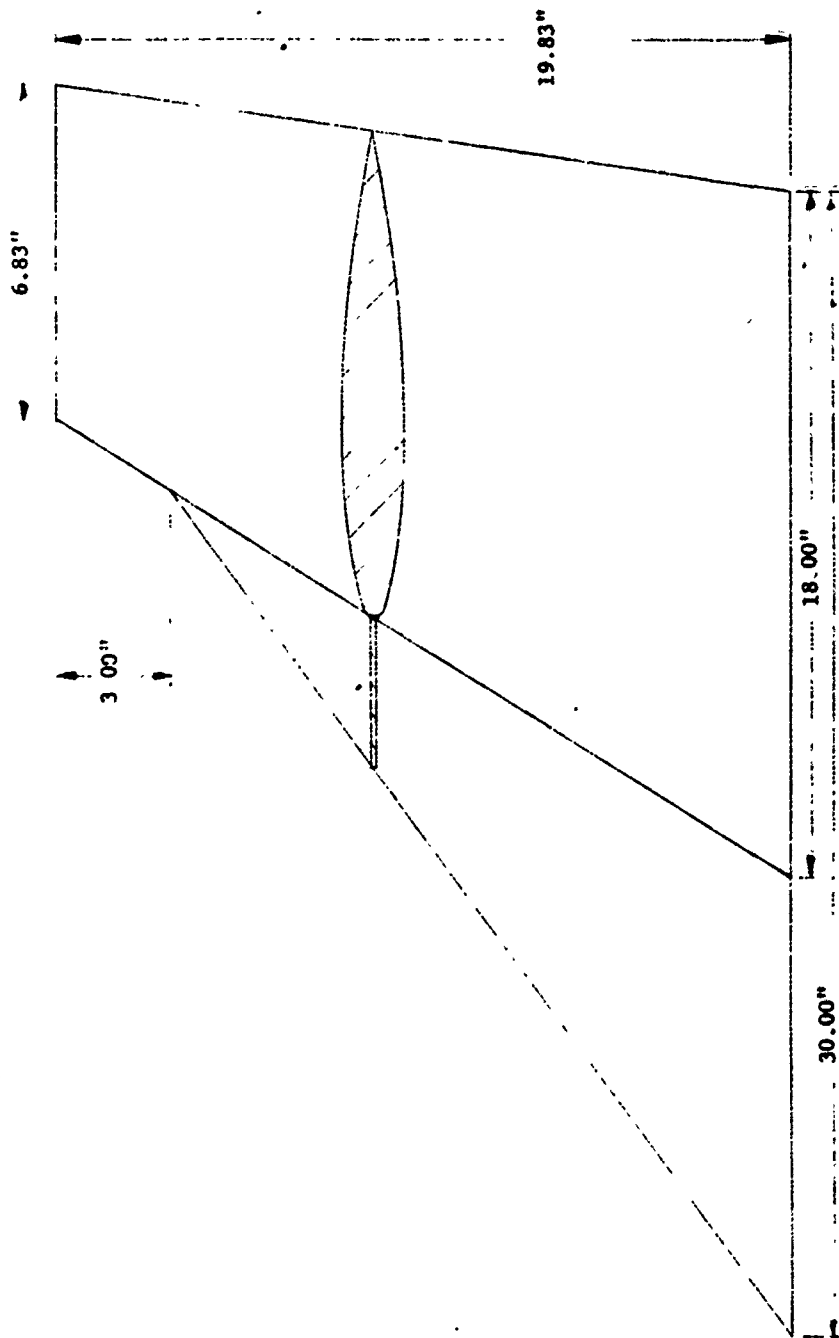


Figure 3 (Continued)

(b) Basic Vertical Tail With Dorsal Fin (V<sub>5</sub>)

Material: 1/2"-thick aluminum

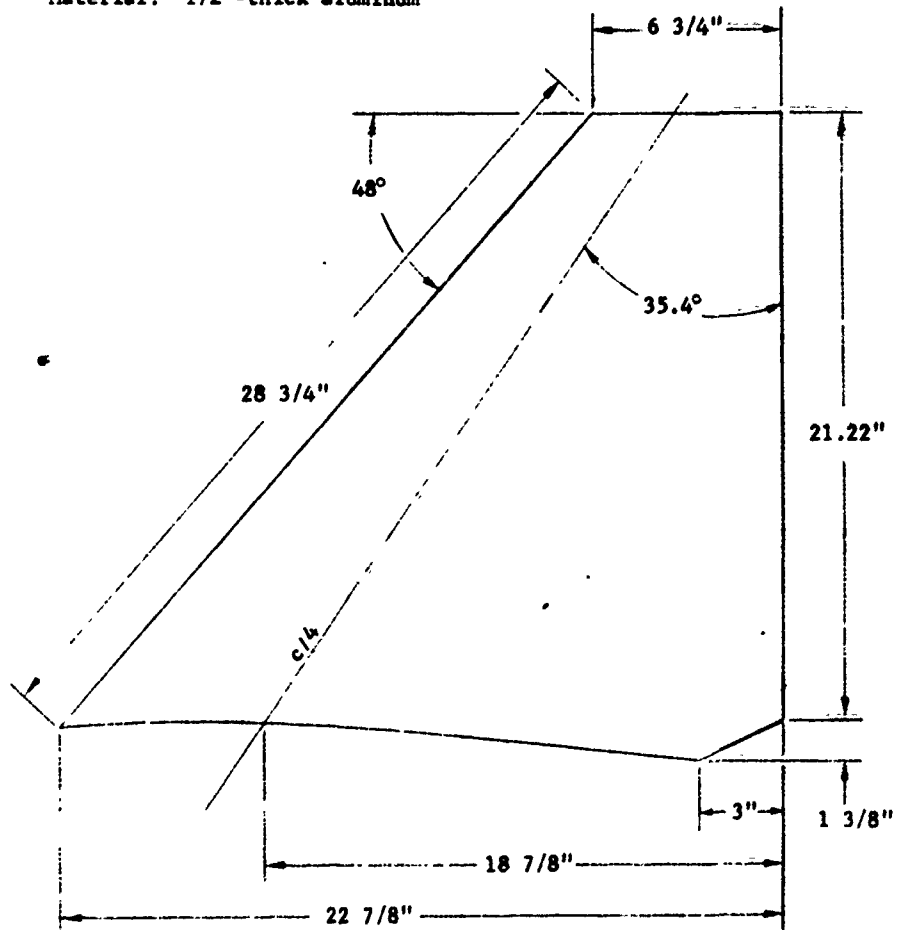


Figure 3 (Continued)  
(c) Flat-Plate Vertical Tail (V<sub>p</sub>)

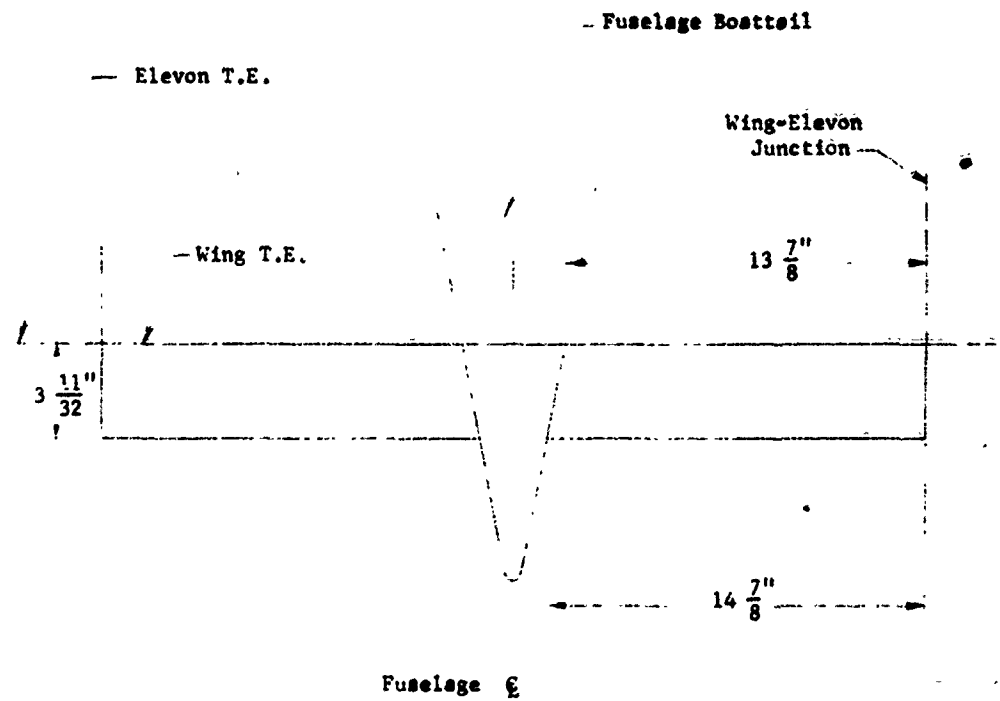
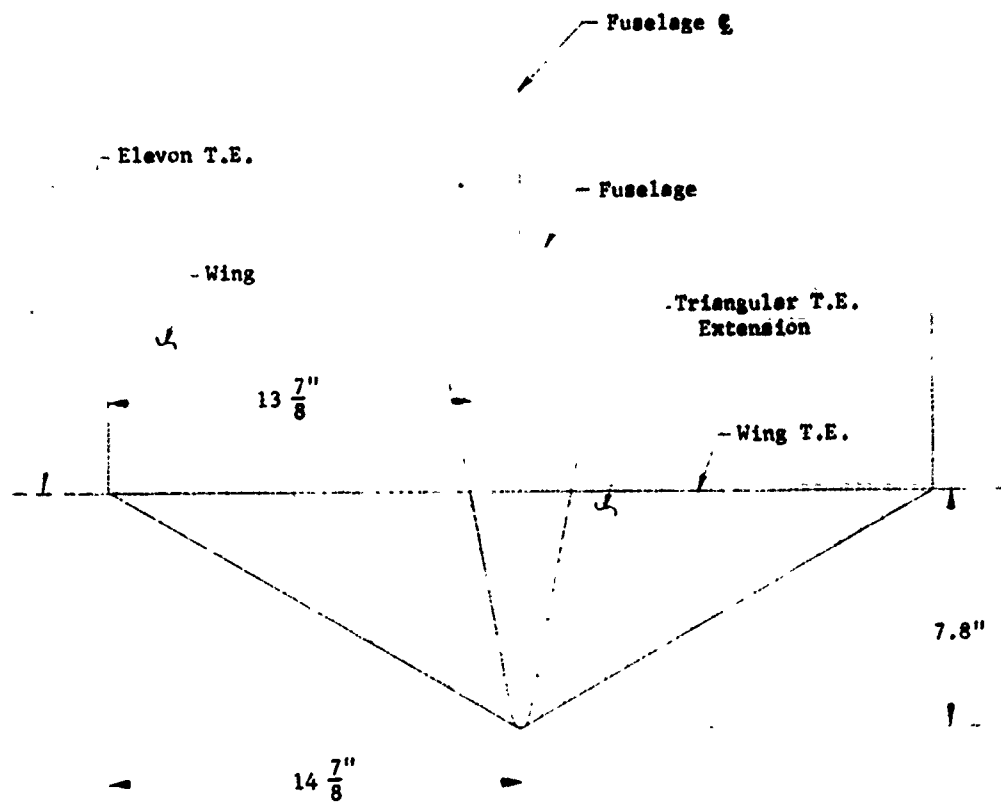


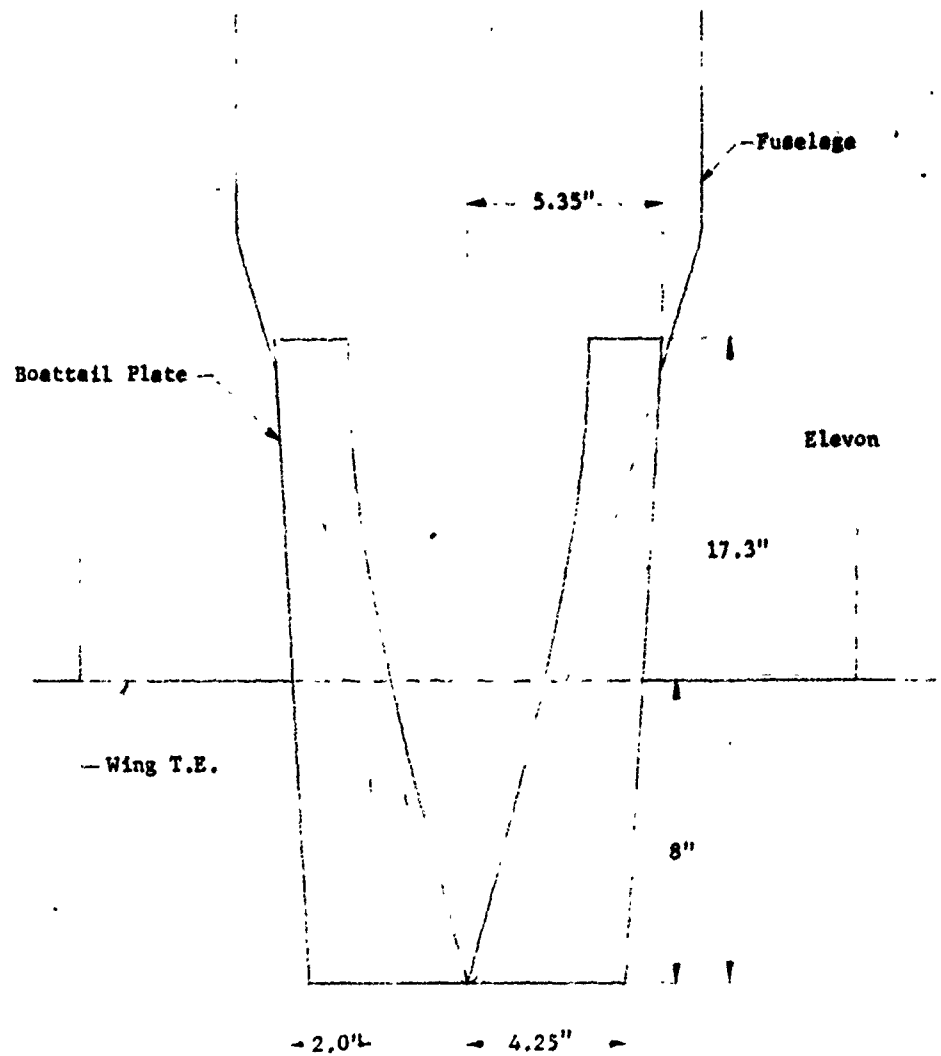
Figure 3 (Continued)

(d) Rectangular Trailing-Edge Extension (Wing  $W_D$ )



Additional Area: 0.778 square feet (model scale)

Figure 3 (Continued)  
(e) Triangular Trailing-Edge Extension (Wing  $W_E$ )



Material: 1/16"-thick aluminum

Figure 3 (Concluded)

(f) Boat tail Modification (BT<sub>1</sub>)

(Plate faired into fuselage with plastic clay.)



Table 1

Dimensions of the Model

Fuselage (B)	
Length, feet	5.71
Width, feet	1.05
Height, feet	1.10
Duct	
Inside diameter (in propeller plane), feet	1.167
Outside diameter, feet	1.418
Chord, feet	0.684
Planform area, square feet	0.931
Forward Duct Stub Wings	
Planform area (each), square feet	0.129
Wing $W_A^*$	
Area, square feet	6.25
M.A.C., feet	1.11
Span (excluding ducts), feet	2.80
Airfoil section	NACA 64A420
Wing, $W_C$	
Area, square feet	6.38
M.A.C., feet	1.11
Span (excluding ducts), feet	3.92
Airfoil section	NACA 64A420
Wing $W_D$ (parallel trailing-edge extension)	
Area, square feet	7.00
M.A.C., feet	1.47
Span (excluding ducts), feet	2.80
Airfoil section	NACA 64A420 (Mod )
Wing $W_E$ (triangular trailing-edge extension)	
Area, square feet	7.03
M.A.C., feet	1.54
Span (excluding ducts), feet	2.80
Airfoil section	NACA 64A420 (Mod.)

\*The  $W_A$  planform area was used in all data reduction.

Table 1 (Concluded)

( Forward Elevon  $E_F$

Area, square feet	0.715
Chord, feet	0.57
Span, feet	1.295

Aft Elevon  $E_A$

Area, square feet	0.96
Chord, feet	0.755
Span, feet	1.295

Outboard Stabilizer  $H_A$

Area (exposed), square feet	0.83
M.A.C., feet	0.842
Span (exposed), feet	1.12

Vertical Stabilizer  $V_2, V_4, V_5, V_6$

Area, square feet	1.699
M.A.C., feet	1.100
Span, feet	1.653

Airfoil section

$V_2$

NACA 0012-64

$V_4$

Flat plate with  $V_2$  planform

$V_5$

Basic tail with dorsal fin

$V_6$

\* NACA 0012-64 with circular-arc L. E.

Vertical Stabilizer  $V_P$

Area, square feet	2.19
M.A.C., feet	1.94
Span, feet	1.77

Airfoil section

† Flat plate with circular-arc L. E.

\* Diameter = maximum thickness

( † Diameter = plate thickness ( $\frac{1}{2}$ ")

Table 2

Force and Moment Data for Phase I

See Table 3 for test conditions for Run 200

Run No. 30

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,W}$	$C_{L,S}$	$C_Y$	$C_W$	$C_A$	$C_h$	$C_l$
-10.57	-6.00	-1.1231	.1816	-.0468	.0195	.0037	.2362	-1.1375	-.0161	.0186	.0070
-10.57	-6.00	-1.1295	.1820	-.0431	.0197	.0033	.2325	-1.1439	-.0169	.0189	.0067
-8.44	-6.00	-.8811	.1283	-.0143	.0183	.0050	.2373	-.8904	.0044	.0174	.0075
-8.44	-6.00	-.8795	.1300	-.0143	.0191	.0055	.2397	-.8890	.0064	.0180	.0091
-6.29	-6.00	-.5991	.0953	.0031	.0238	.0094	.2266	-.6057	.0322	.0226	.0118
-6.29	-6.00	-.6028	.0536	.0025	.0213	.0106	.2329	-.6093	.0301	.0201	.0128
-4.15	-6.00	-.3453	.0754	.0190	.0231	.0143	.2252	-.3497	.0511	.0221	.0158
-4.15	-6.00	-.3443	.0756	.0199	.0231	.0142	.2236	-.3487	.0514	.0221	.0158
-2.00	-6.00	-.0739	.0685	.0316	.0256	.0183	.2201	-.0762	.0659	.0250	.0191
-2.00	-6.00	-.0728	.0681	.0322	.0245	.0177	.2163	-.0751	.0656	.0239	.0185
.14	-6.00	.1885	.0671	.0525	.0268	.0216	.2121	.1885	.0671	.0266	.0216
.14	-6.00	.1885	.0678	.0543	.0270	.0234	.2137	.1885	.0678	.0269	.0234
2.29	-6.00	.4462	.0755	.0837	.0304	.0274	.2067	.4486	.0599	.0313	.0263
2.28	-6.00	.4414	.0778	.0885	.0284	.0272	.2075	.4438	.0624	.0293	.0262
4.43	-6.00	.7133	.0968	.1124	.0285	.0315	.2022	.7183	.0468	.0307	.0294
4.43	-6.00	.7091	.0962	.1101	.0287	.0307	.1947	.7140	.0465	.0308	.0286
6.58	-6.00	.9789	.1239	.1275	.0283	.0359	.1967	.9864	.0209	.0318	.0327
6.58	-6.00	.9794	.0974	.1177	.0284	.0363	.1902	.9842	-.0056	.0320	.0331
8.73	-6.00	1.2667	.1624	.1329	.0285	.0398	.1977	1.2769	-.0155	.0318	.0377
8.74	-6.00	1.2715	.1630	.1310	.0267	.0403	.2004	1.2818	-.0155	.0320	.0362
10.87	-6.00	1.5165	.2412	.1568	.0182	.0382	.1908	1.5353	-.0258	.0245	.0345
10.87	-6.00	1.5144	.2412	.1562	.0180	.0379	.1924	1.5332	-.0254	.0242	.0342
13.01	-6.00	1.7820	.3064	.1577	.0144	.0410	.1968	1.8067	-.0708	.0226	.0372
13.00	-6.00	1.7708	.3060	.1528	.0139	.0402	.1925	1.7957	-.0688	.0219	.0364
15.14	-6.00	2.0499	.3790	.1330	.0072	.0417	.2063	2.0806	-.1282	.0170	.0387
15.14	-6.00	2.0440	.3774	.1359	.0073	.0414	.2051	2.0745	-.1283	.0171	.0385
17.19	-6.00	2.1432	.4981	.0318	.0036	.0344	.2287	2.1974	-.1119	.0129	.0320
17.19	-6.00	2.1453	.4726	.0308	.0041	.0354	.2271	2.1924	-.1370	.0136	.0329
19.27	-6.00	2.2877	.6192	-.1053	.0018	.0426	.2391	2.3671	-.1180	.0149	.0400
19.27	-6.00	2.2829	.6200	-.1063	.0030	.0423	.2344	2.3628	-.1158	.0159	.0393

Table 2 (Continued)

Run No. 30 (Cont.)

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
21.31	-6.00	2.3672	.7215	-.2044	.0010	.0402	.2177	2.4712	-.1316	.0146	.0374
21.31	-6.00	2.3645	.7201	-.1975	.0018	.0406	.2176	2.4682	-.1321	.0155	.0375
23.33	-6.00	2.3944	.8475	-.2315	.0054	.0383	.1845	2.5375	-.1112	.0193	.0335
23.31	-6.00	2.3592	.8434	-.2220	.0054	.0375	.1855	2.5033	-.1018	.0190	.0327
25.34	-6.00	2.4115	.9792	-.2453	.0019	.0351	.1957	2.6012	-.0863	.0160	.0313
25.33	-6.00	2.3992	.9729	-.2478	.0035	.0363	.1881	2.5875	-.0871	.0179	.0317
27.33	-6.00	2.3891	1.1415	-.2713	.0000	.0332	.1845	2.6476	-.0213	.0145	.0298
27.33	-6.00	2.3885	1.1371	-.2682	.0005	.0323	.1830	2.6452	-.0251	.0146	.0288
29.27	-6.00	2.2893	1.2419	-.3425	.0054	.0297	.1494	2.6044	.0218	.0186	.0237
29.25	-6.00	2.2424	1.2495	-.2605	.0109	.0298	.1479	2.5665	.0504	.0236	.0212
29.26	-6.00	2.2611	1.2492	-.4839	.0013	.0268	.1730	2.5829	.0415	.0143	.0227
31.22	-6.00	2.1869	1.3529	-.3758	.0054	.0286	.1346	2.5704	.0782	.0190	.0221
31.21	-6.00	2.1747	1.3537	-.3799	.0015	.0277	.1315	2.5601	.0890	.0151	.0232

Table 2 (Continued)

Run No.	$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_z$
31	-10.58	.00	-1.2024	.1817	-.0159	.0049	.0041	.0157	-1.2156	-.0298	.0041	.0048
	-10.58	.00	-1.2024	.1818	-.0177	.0051	.0033	.0114	-1.2157	-.0297	.0045	.0041
	-8.45	.00	-.9525	.1308	.0152	.0039	.0036	.0146	-.9614	-.0030	.0034	.0041
	-8.44	.00	-.9456	.1306	.0178	.0040	.0027	.0157	-.9545	-.0023	.0035	.0032
	-6.29	.00	-.6661	.0931	.0340	.0056	.0010	.0071	-.6721	.0229	.0055	.0016
	-6.29	.00	-.6677	.0935	.0328	.0053	.0011	.0114	-.6738	.0232	.0052	.0016
	-4.15	.00	-.3361	.0720	.0397	.0057	.0006	.0013	-.4001	.0442	.0056	.0010
	-4.15	.00	-.3961	.0725	.0395	.0060	.0013	.0308	-.4001	.0447	.0059	.0016
	-2.00	.00	-.1352	.0638	.0537	.0058	.0012	.0050	-.1374	.0591	.0057	.0014
	-2.00	.00	-.1320	.0640	.0529	.0061	.0019	.0082	-.1342	.0593	.0060	.0021
	.14	.00	.1203	.0642	.0782	.0056	.0010	.0098	.1203	.0642	.0056	.0010
	.14	.00	.1192	.0647	.0789	.0055	.0011	.0045	.1192	.0647	.0055	.0010
	2.28	.00	.3752	.0733	.1150	.0054	.0012	.0103	.3775	.0602	.0054	.0010
	2.28	.00	.3784	.0733	.1162	.0054	.0013	.0092	.3806	.0601	.0054	.0010
	4.42	.00	.6342	.0902	.1464	.0052	.0027	.0130	.6390	.0458	.0053	.0023
	4.42	.00	.6385	.0902	.1477	.0051	.0011	.0071	.6432	.0454	.0052	.0007
	6.57	.00	.9137	.1177	.1612	.0050	.0012	.0114	.9210	.0215	.0050	.0007
	6.57	.00	.9121	.1181	.1593	.0042	.0015	.0141	.9194	.0221	.0044	.0011
	8.73	.00	1.1992	.1560	.1655	.0043	.0005	.0071	1.2093	-.0125	.0043	-.0001
	8.73	.00	1.1992	.1563	.1631	.0043	.0007	.0098	1.2093	-.0122	.0043	.0002
	10.87	.00	1.4739	.2034	.1660	.0031	.0007	.0077	1.4868	-.0596	.0031	.0002
	10.83	.00	1.4797	.2043	.1607	.0055	.0015	.0125	1.4927	-.0598	.0056	.0005
	13.03	.00	1.7617	.2632	.1452	.0036	-.0005	.0023	1.7779	-.1088	.0034	-.0012
	13.02	.00	1.7569	.2624	.1444	.0022	.0003	.0071	1.7730	-.1086	.0022	-.0002
	15.18	.00	2.0593	.3364	.1094	.0036	.0022	.0108	2.0795	-.1718	.0040	.0013
	15.18	.00	2.0625	.3384	.1023	.0038	.0010	.0077	2.0831	-.1706	.0039	-.0000
	17.24	.00	2.1793	.5083	.1120	-.0045	-.0032	-.0020	2.2350	-.1121	-.0052	-.0018
	17.24	.00	2.1831	.5091	.1064	-.0057	-.0045	.0023	2.2388	-.1123	-.0067	-.0027
	19.27	.00	2.2401	.6395	-.0544	.0043	-.0027	.0231	2.3281	-.0840	.0033	-.0039
	19.27	.00	2.2311	.6367	-.0492	.0049	-.0058	.0226	2.3186	-.0839	.0028	-.0070

Table 2 (Continued)

Run No. 31 (Cont.)

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{t,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
21.30	.00	2.2807	.7335	-.1389	.0086	.0163	-.0004	2.3940	-.0908	.0136	.0124
21.29	.00	2.2705	.7333	-.1278	.0071	.0148	-.0067	2.3844	-.0875	.0117	.0114
23.33	.00	2.3415	.8631	-.1983	.0092	.0161	-.0142	2.4943	-.0769	.0146	.0114
23.33	.00	2.3431	.8618	-.1926	.0063	.0161	-.0179	2.4952	-.0787	.0119	.0126
25.36	.00	2.3932	.9766	-.2328	.0053	.0133	-.0099	2.5835	-.0813	.0102	.0100
25.36	.00	2.3905	.9804	-.2369	.0056	.0136	-.0051	2.5826	-.0766	.0107	.0101
27.40	.00	2.4609	1.1307	-.2421	.0044	.0135	.0092	2.7075	-.0625	.0098	.0103
27.37	.00	2.4081	1.1317	-.2406	.0045	.0142	.0194	2.6605	-.0385	.0103	.0108
29.33	.00	2.3489	1.2802	-.3825	.0084	.0039	-.0094	2.6750	-.0276	.0092	-.0005
29.33	.00	2.3340	1.2768	-.3799	.0077	.0012	-.0083	2.6602	.0316	.0073	-.0025
31.25	.00	2.1916	1.3691	-.3921	.0092	.0340	-.0030	2.5825	.0899	.0250	.0248
31.25	.00	2.1884	1.3648	-.3842	.0093	.0346	-.0020	2.5776	.0878	.0254	.0253

Table 2 (Continued)

Run No. 32

$\alpha$	$\beta$	$C_L$	$C_D'$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
-10.57	6.00	-1.1565	.1832	-.0471	-.0108	.0037	-.2087	-1.1707	-.0204	-.0113	.0018
-10.57	6.00	-1.1624	.1856	-.0478	-.0107	.0029	-.2063	-1.1769	-.0190	-.0110	.0010
-8.43	6.00	-.9017	.1374	-.0171	-.0117	-.0009	-.2061	-.9120	.0106	-.0114	-.0025
-8.43	6.00	-.9028	.1363	-.0161	-.0115	-.0010	-.2081	-.9130	.0093	-.0113	-.0026
-6.29	6.00	-.6343	.0969	.0125	-.0107	-.0075	-.2100	-.6409	.0301	-.0099	-.0086
-6.29	6.00	-.6353	.0975	.0101	-.0105	-.0076	-.2095	-.6420	.0305	-.0097	-.0086
-4.15	6.00	-.3796	.0790	.0314	-.0116	-.0114	-.2032	-.3841	.0523	-.0108	-.0122
-4.15	6.00	-.3780	.0777	.0293	-.0115	-.0116	-.2014	-.3824	.0511	-.0107	-.0124
-2.01	6.00	-.1141	.0691	.0422	-.0126	-.0143	-.2007	-.1165	.0651	-.0121	-.0147
-2.01	6.00	-.1168	.0689	.0472	-.0125	-.0146	-.2002	-.1191	.0648	-.0120	-.0150
.14	6.00	.1481	.0696	.0625	-.0141	-.0175	-.1942	.1481	.0696	-.0141	-.0175
.14	6.00	.1481	.0703	.0587	-.0139	-.0170	-.1867	.1481	.0703	-.0139	-.0170
2.28	6.00	.4179	.0786	.0912	-.0160	-.0227	-.1862	.4203	.0640	-.0167	-.0221
2.28	6.00	.4184	.0791	.0897	-.0159	-.0226	-.1825	.4209	.0645	-.0166	-.0220
4.42	6.00	.6744	.0973	.1097	-.0188	-.0272	-.1761	.6795	.0500	-.0206	-.0259
4.42	6.00	.6765	.0974	.1111	-.0174	-.0280	-.1810	.6816	.0499	-.0193	-.0267
6.58	6.00	.9581	.0994	.1189	-.0171	-.0331	-.1706	.9632	-.0013	-.0204	-.0311
6.58	6.00	.9602	.1269	.1290	-.0170	-.0335	-.1778	.9682	.0258	-.0204	-.0316
8.73	6.00	1.2342	.1646	.1361	-.0177	-.0369	-.1743	1.2451	-.0088	-.0226	-.0341
8.73	6.00	1.2342	.1646	.1378	-.0175	-.0363	-.1737	1.2451	-.0087	-.0224	-.0335
10.86	6.00	1.5182	.2156	.1341	-.0163	-.0408	-.1767	1.5322	-.0513	-.0232	-.0374
10.86	6.00	1.5177	.2165	.1335	-.0165	-.0408	-.1758	1.5322	-.0503	-.0233	-.0373
13.00	6.00	1.7467	.3063	.1566	-.0074	-.0378	-.1674	1.7741	-.0640	-.0151	-.0354
13.00	6.00	1.7353	.3048	.1548	-.0077	-.0385	-.1668	1.7607	-.0627	-.0155	-.0361
15.13	6.00	1.9861	.3832	.0806	-.0022	-.0391	-.1771	2.0198	-.1087	-.0116	-.0374
15.13	6.00	1.9850	.3829	.0855	-.0017	-.0385	-.1777	2.0187	-.1087	-.0110	-.0370
17.21	6.00	2.1418	.4887	-.0712	-.0040	-.0440	-.2140	2.1936	-.1806	-.0159	-.0412
17.20	6.00	2.1259	.4840	-.0663	-.0033	-.0446	-.2120	2.1779	-.1210	-.0154	-.0420
19.24	6.00	2.1882	.6294	-.0800	-.0058	-.0368	-.1942	2.2756	-.0776	-.0168	-.0332
19.23	6.00	2.1835	.6331	-.0780	-.0075	-.0368	-.1979	2.2722	-.0726	-.0184	-.0327

Table 2 (Continued)

Run No. 32 (Cont.)

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
21.28	6.00	2.2672	.7368	-.1408	.0004	-.0308	-.1983	2.3824	-.0831	-.0102	-.0201
21.29	6.00	2.2784	.7371	-.1396	.0019	-.0306	-.1977	2.3930	-.0866	-.0087	-.0294
23.31	6.00	2.3184	.8637	-.2004	.0029	-.0309	-.1756	2.4731	-.0677	-.0089	-.0297
23.31	6.00	2.3152	.8658	-.1923	.0031	-.0287	-.1785	2.4709	-.0645	-.0079	-.0277
25.34	6.00	2.3723	.9965	-.2309	.0086	-.0191	-.1602	2.5724	-.0546	.0001	-.0209
25.33	6.00	2.3616	.9899	-.2298	.0063	-.0209	-.1671	2.5600	-.0562	-.0028	-.0216
27.35	6.00	2.3989	1.1392	-.2563	.0045	-.0158	-.1421	2.6555	-.0277	-.0028	-.0161
27.35	6.00	2.3872	1.1399	-.2524	.0048	-.0174	-.1413	2.6453	-.0219	-.0034	-.0177
29.29	6.00	2.2859	1.2534	-.3596	.0011	-.0345	-.1327	2.6067	.0336	-.0152	-.0309
29.29	6.00	2.2784	1.2514	-.3678	.0029	-.0350	-.1368	2.5992	.0353	-.0139	-.0323
31.26	6.00	2.2229	1.3774	-.2780	-.0020	-.0587	-.1111	2.6138	.0814	-.0311	-.0499
31.26	6.00	2.2256	1.3479	-.2876	-.0030	-.0581	-.1059	2.6013	.0545	-.0316	-.0488



Table 2 (Continued)

Run No. 33

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
.14	-6.00	.1869	.0676	.0584	.0267	.0236	.2164	.1869	.0676	.0267	.0236
.14	-6.00	.1842	.0681	.0586	.0267	.0226	.2132	.1842	.0681	.0267	.0226
.14	-3.00	.1529	.0704	.0734	.0156	.0126	.1124	.1529	.0704	.0156	.0126
.14	-3.00	.1540	.0710	.0744	.0157	.0119	.1129	.1540	.0710	.0157	.0119
.14	.00	.1138	.0652	.0796	.0056	.0046	.0098	.1198	.0652	.0056	.0045
.14	.00	.1257	.0651	.0795	.0056	.0035	.0071	.1256	.0651	.0056	.0034
.14	3.00	.1389	.0717	.0668	.0038	.0082	.0910	.1389	.0717	.0038	.0082
.14	3.00	.1411	.0718	.0697	.0038	.0078	.0921	.1411	.0718	.0038	.0078
.14	6.00	.1524	.0700	.0642	.0138	.0173	.1931	.1524	.0700	.0138	.0173
.14	6.00	.1519	.0697	.0616	.0137	.0176	.1969	.1519	.0697	.0137	.0175
.15	9.00	.1803	.0615	.0464	.0249	.0264	.2944	.1803	.0615	.0249	.0264
.15	9.00	.1829	.0616	.0483	.0252	.0253	.2939	.1829	.0616	.0252	.0253
.15	12.00	.1825	.0385	.0203	.0358	.0338	.3894	.1825	.0385	.0358	.0338
.15	12.00	.1830	.0382	.0202	.0358	.0339	.3910	.1830	.0382	.0358	.0339
.16	15.00	.1754	.0053	.0134	.0478	.0409	.4829	.1754	.0052	.0478	.0409
.16	15.00	.1722	.0046	.0132	.0477	.0408	.4849	.1722	.0045	.0477	.0408
.16	18.00	.1596	.0372	.0054	.0588	.0468	.5834	.1596	.0372	.0588	.0468
.16	18.00	.1591	.0380	.0050	.0586	.0480	.5854	.1591	.0380	.0586	.0480
.16	21.00	.1583	.0839	.0060	.0690	.0557	.6815	.1583	.0839	.0690	.0557
.16	21.00	.1593	.1083	.0148	.0693	.0545	.6710	.1593	.1083	.0693	.0544
.18	24.00	.1765	.0941	.0325	.0825	.0611	.7633	.1765	.0941	.0825	.0611
.18	24.00	.1808	.0934	.0350	.0825	.0611	.7647	.1808	.0934	.0825	.0611
.19	27.00	.3515	.0475	.1495	.0817	.0754	.9768	.3514	.0475	.0817	.0753
.19	27.00	.3552	.0474	.1491	.0823	.0753	.9769	.3552	.0474	.0823	.0753
.18	30.00	.1802	.1617	.0579	.0902	.0584	.9129	.1802	.1617	.0901	.0584
.18	30.00	.1786	.1593	.0607	.0909	.0572	.9094	.1786	.1592	.0909	.0572

Table 2 (Continued)

Run No. 34

$\alpha$	$r$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{L,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_L$
6.57	-6.00	.9719	.1415	.1440	.0239	.0345	.1895	.9814	.0391	.0273	.0319
6.57	-6.00	.9725	.1409	.1446	.0243	.0350	.1900	.9818	.0385	.0273	.0323
6.58	-3.00	.9566	.1256	.1503	.0165	.0195	.1041	.9645	.0249	.0185	.0176
6.58	-3.00	.9566	.1261	.1491	.0169	.0184	.0977	.9645	.0254	.0186	.0165
6.57	.00	.9207	.1206	.1655	.0051	.0012	.0098	.9282	.0237	.0051	.0007
6.57	.00	.9185	.1207	.1634	.0046	.0014	.0087	.9261	.0240	.0047	.0009
6.57	3.00	.9354	.1263	.1462	.0063	.0161	.0860	.9435	.0279	.0079	.0154
6.58	3.00	.9391	.1263	.1462	.0063	.0156	.0827	.9471	.0275	.0079	.0148
6.58	6.00	.9645	.1279	.1275	.0176	.0327	.1795	.9725	.0263	.0209	.0307
6.58	6.00	.9618	.1269	.1288	.0178	.0321	.1789	.9698	.0257	.0210	.0300
6.57	9.00	.9667	.1203	.1199	.0288	.0494	.2726	.9739	.0186	.0338	.0462
6.57	9.00	.9656	.1190	.1246	.0288	.0492	.2724	.9727	.0174	.0338	.0459
6.56	12.00	.9415	.0983	.1172	.0406	.0641	.3638	.9466	.0006	.0471	.0594
6.57	12.00	.9442	.0987	.1158	.0411	.0643	.3666	.9493	.0005	.0476	.0597
6.56	15.00	.9097	.0676	.1113	.0528	.0774	.4576	.9117	.0278	.0606	.0715
6.56	15.00	.9076	.0677	.1091	.0529	.0772	.4559	.9097	.0275	.0607	.0712
6.52	18.00	.8186	.0559	.1720	.0618	.0799	.5430	.8200	.0300	.0698	.0731
6.52	18.00	.8213	.0556	.1715	.0619	.0792	.5428	.8226	.0306	.0698	.0723
6.50	21.00	.7786	.0452	.1538	.0730	.0887	.6253	.7791	.0365	.0818	.0806
6.50	21.00	.7728	.0462	.1529	.0730	.0880	.6212	.7733	.0348	.0818	.0798
6.50	24.00	.7632	.0212	.1170	.0740	.0968	.7189	.7612	.0587	.0837	.0886
6.50	24.00	.7632	.0233	.1176	.0746	.0976	.7157	.7614	.0566	.0844	.0892
6.50	27.00	.9051	.0817	.0009	.0755	.1113	.8930	.9086	.0133	.0867	.1028
6.50	27.00	.9115	.0834	.0011	.0758	.1129	.8913	.9151	.0123	.0872	.1043
6.49	30.00	.7498	.0494	.0179	.0945	.1000	.8642	.7405	.1275	.1044	.0895
6.49	30.00	.7450	.0558	.0701	.0945	.1039	.8741	.7350	.1333	.1048	.0934

Table 2 (Continued)

Run No. 35

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
12.95	-6.00	1.6764	.3358	.1388	.0148	.0382	.1894	1.7095	-.0201	.0224	.0342
12.95	-6.00	1.6759	.3362	.1350	.0146	.0382	.1879	1.7091	-.0196	.0222	.0343
12.97	-3.00	1.6851	.3340	.1416	.0039	.0181	.0946	1.7177	-.0237	.0076	.0169
12.97	-3.00	1.6792	.3323	.1433	.0043	.0170	.0950	1.7116	-.0241	.0077	.0158
12.97	.00	1.6539	.3256	.1536	-.0038	.0042	-.0046	1.6855	-.0254	-.0045	-.0033
12.97	.00	1.6512	.3248	.1526	-.0033	.0044	-.0099	1.6826	-.0257	-.0041	-.0036
12.97	3.00	1.6754	.3306	.1359	-.0120	.0254	-.0925	1.7076	-.0250	-.0170	-.0223
12.97	3.00	1.6797	.3297	.1344	-.0136	.0255	-.0946	1.7115	-.0267	-.0186	-.0221
12.95	6.00	1.6543	.3586	.1480	-.0169	.0399	-.1666	1.6926	.0068	-.0248	-.0355
12.95	6.00	1.6516	.3579	.1484	-.0176	.0395	-.1617	1.6899	.0067	-.0254	-.0350
12.93	9.00	1.6357	.3385	.1302	-.0190	.0569	-.2653	1.6703	-.0090	-.0304	-.0517
12.93	9.00	1.6357	.3386	.1390	-.0178	.0581	-.2664	1.6187	-.0089	-.0294	-.0531
12.91	12.00	1.5866	.3211	.1264	-.0246	.0770	-.3566	1.5992	-.0158	-.0401	-.0702
12.90	12.00	1.5669	.3205	.1207	-.0246	.0761	-.3546	1.5403	-.0123	-.0399	-.0693
12.88	15.00	1.5110	.2997	.0861	-.0284	.0930	-.4345	1.5556	-.0210	-.0471	-.0851
12.89	15.00	1.5265	.3007	.0840	-.0307	.0913	-.4345	1.5556	-.0233	-.0490	-.0829
12.86	18.00	1.4600	.2728	.0319	-.0364	.1076	-.5304	1.4848	-.0367	-.0580	-.0977
12.86	18.00	1.4547	.2699	.0312	-.0353	.1109	-.5306	1.4789	-.0384	-.0576	-.1011
12.82	21.00	1.3617	.2284	.0588	-.0459	.1126	-.6023	1.3794	-.0597	-.0683	-.1006
12.82	21.00	1.3627	.2283	.0606	-.0463	.1128	-.6068	1.3804	-.0601	-.0687	-.1007
12.79	24.00	1.3197	.1948	.0440	-.0539	.1214	-.6856	1.3314	-.0838	-.0779	-.1075
12.70	24.00	1.3262	.1944	.0441	-.0547	.1216	-.6923	1.3376	-.0855	-.0787	-.1076
12.73	27.00	1.3275	.2951	-.0826	-.0455	.1177	-.8014	1.3598	.0126	-.0690	-.1057
12.73	27.00	1.3365	.2901	-.0827	-.0451	.1177	-.8028	1.3676	.0059	-.0686	-.1058
12.67	30.00	1.0866	.1731	.0336	-.0580	.1063	-.7382	1.0988	-.0566	-.0788	-.0919
12.67	30.00	1.0866	.1734	.0388	-.0585	.1058	-.7365	1.0989	-.0564	-.0791	-.0913

Table 2 (Continued)

Run No. 36

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{N,W}$	$C_{L,S}$	$C_Y$	$C_W$	$C_A$	$C_N$	$C_I$
-10.63	.00	-1.3003	.1901	.0283	.0033	.0044	.0131	-1.3135	-.0386	.0024	.0049
-10.64	.00	-1.3010	.1885	.0331	.0037	.0054	.0133	-1.3139	-.0402	.0027	.0060
-8.49	.00	-1.0327	.1346	.0576	.0047	.0038	.0093	-1.0414	-.0104	.0042	.0043
-8.49	.00	-1.0398	.1353	.0571	.0042	.0036	.0119	-1.0485	-.0107	.0037	.0041
-6.33	.00	-1.7442	.0957	.0611	.0063	.0005	.0036	-.7501	.0173	.0062	.0012
-6.34	.00	-.7447	.0951	.0611	.0057	.0002	.0043	-.7505	.0167	.0056	.0008
-4.18	.00	-.4619	.0720	.0674	.0064	.0007	.0029	-.4657	.0396	.0063	.0011
-4.18	.00	-.4588	.0718	.0676	.0061	.0006	.0034	-.4626	.0396	.0060	.0009
-2.03	.00	-.1920	.0620	.0857	.0060	.0012	.0067	-.1940	.0553	.0059	.0014
-2.03	.00	-.1910	.0629	.0900	.0063	.0013	.0062	-.1931	.0562	.0062	.0015
.11	.00	.0669	.0603	.1095	.0062	.0007	.0067	.0669	.0602	.0062	.0006
.11	.00	.0669	.0598	.1087	.0062	.0008	.0077	.0669	.0598	.0062	.0008
2.25	.00	.3323	.0679	.1370	.0063	.0006	.0060	.3344	.0562	.0063	.0004
2.25	.00	.3311	.0668	.1365	.0061	.0007	.0060	.3332	.0552	.0061	.0005
4.40	.00	.6067	.0842	.1607	.0069	.0018	.0036	.6111	.0417	.0069	.0013
4.40	.00	.6020	.0836	.1611	.0064	.0015	.0027	.6063	.0415	.0064	.0010
6.56	.00	.8897	.1113	.1773	.0064	.0011	.0053	.8965	.0177	.0065	.0004
6.56	.00	.8875	.1106	.1764	.0066	.0020	.0043	.8940	.0173	.0067	.0013
8.71	.00	1.1736	.1470	.1770	.0059	-.0003	.0034	1.1826	-.0178	.0058	-.0010
8.71	.00	1.1755	.1475	.1772	.0058	.0015	.0027	1.1845	-.0175	.0060	.0007
10.88	.00	1.4777	.1992	.1731	.0047	.0017	.0024	1.4898	-.0605	.0049	.0009
10.87	.00	1.4722	.1989	.1729	.0050	.0017	.0024	1.4843	-.0598	.0052	.0008
13.03	.00	1.7631	.2587	.1488	.0040	.0020	.0060	1.7784	-.1135	.0043	.0011
13.02	.00	1.7567	.2575	.1531	.0038	.0015	.0069	1.7719	-.1134	.0040	.0007
15.17	.00	2.0576	.3320	.1053	.0031	.0016	.0072	2.0767	-.1757	.0034	.0008
15.18	.00	2.0597	.3314	.1057	.0031	.0020	.0058	2.0781	-.1767	.0035	.0012
17.23	.00	2.1578	.4838	.0157	-.0070	-.0070	.0164	2.2076	-.1298	-.0086	-.0048
17.22	.00	2.1450	.4817	.0131	-.0074	-.0078	.0195	2.1947	-.1282	-.0092	-.0055
19.24	.00	2.1820	.6131	-.1244	-.0027	-.0050	.0133	2.2646	-.0912	-.0041	-.0039
19.24	.00	2.1742	.6127	-.1258	-.0042	-.0045	.0143	2.2571	-.0891	-.0053	-.0030

Table 2 (Continued)

Run No. 36 (Cont.)

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
21.28	.00	2.2420	.7071	-.1311	.0017	.0007	.0176	2.3486	-.1023	.0018	.0001
21.27	.00	2.2289	.7143	-.1244	.0018	.0007	.0190	2.3388	-.0911	.0019	.0001
23.32	.00	2.3219	.8350	-.1796	.0031	.0032	.0209	2.4655	-.0956	.0041	.0018
23.33	.00	2.3382	.8389	-.1814	.0023	.0044	.0219	2.4821	-.0981	.0037	.0033
25.35	.00	2.3785	.9503	-.2128	.0031	.0105	.0171	2.5594	-.0992	.0070	.0083
25.35	.00	2.3809	.9637	-.2178	.0023	.0114	.0197	2.5670	-.0880	.0067	.0095
27.37	.00	2.4115	1.0965	-.2514	.0040	.0061	.0103	2.6480	-.0716	.0063	.0037
27.37	.00	2.4098	1.0976	-.2406	.0009	.0081	.0117	2.6470	-.0699	.0027	.0076
29.38	.00	2.4349	1.2355	-.2908	.0000	.0060	.0131	2.7299	-.0522	.0028	.0053
29.39	.00	2.4470	1.2411	-.2916	.0004	.0060	.0207	2.7432	-.0529	.0031	.0051
31.40	.00	2.4645	1.3662	-.3335	.0032	.0124	-.0063	2.8174	-.0491	.0107	.0081
31.40	.00	2.4698	1.3677	-.3355	.0029	.0145	-.0035	2.8227	-.0504	.0097	.0110

Table 2 (Continued)

Run No. 37

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_W$	$C_A$	$C_n$	$C_l$
-10.58	-6.00	-1.1492	.1896	-.0346	-.0023	.0170	.3040	-1.1646	-.0128	-.0051	.0164
-10.59	-6.00	-1.1519	.1903	-.0329	-.0019	.0188	.3003	-1.1674	-.0126	-.0051	.0182
-8.46	-6.00	-.9163	.1391	-.0087	-.0012	.0186	.3086	-.9267	.0103	-.0038	.0183
-8.46	-6.00	-.9206	.1377	-.0046	-.0021	.0186	.3085	-.9308	.0083	-.0046	.0181
-6.31	-6.00	-.6375	.0993	-.0056	-.0001	.0217	.2983	-.6444	.0321	-.0023	.0215
-6.31	-6.00	-.6412	.1001	-.0024	-.0004	.0228	.2989	-.6481	.0325	-.0027	.0226
-4.16	-6.00	-.3763	.0767	.0110	-.0012	.0250	.2904	-.3808	.0522	-.0006	.0250
-4.17	-6.00	-.3784	.0792	.0084	.0018	.0251	.2915	-.3830	.0527	.0000	.0251
-2.02	-6.00	-.1037	.0700	.0139	.0034	.0276	.2867	-.1061	.0663	.0025	.0276
-2.02	-6.00	-.1059	.0703	.0155	.0026	.0279	.2889	-.1082	.0665	.0017	.0279
.12	-6.00	.1480	.0687	.0389	.0048	.0302	.2820	.1479	.0687	.0048	.0302
.12	-6.00	.1501	.0686	.0386	.0051	.0306	.2761	.1501	.0685	.0051	.0306
2.27	-6.00	.4132	.0768	.0730	.0067	.0333	.2691	.4156	.0624	.0078	.0331
2.27	-6.00	.4132	.0770	.0684	.0066	.0346	.2702	.4156	.0625	.0078	.0343
4.41	-6.00	.6680	.0939	.0986	.0093	.0361	.2631	.6729	.0471	.0118	.0353
4.41	-6.00	.6664	.0944	.0975	.0082	.0369	.2610	.6713	.0476	.0107	.0363
6.56	-6.00	.9421	.1202	.1178	.0094	.0394	.2507	.9494	.0210	.0135	.0382
6.56	-6.00	.9421	.1199	.1150	.0093	.0398	.2507	.9494	.0207	.0133	.0386
8.71	-6.00	1.2166	.1570	.1155	.0094	.0449	.2467	1.2266	-.0139	.0155	.0432
8.71	-6.00	1.2246	.1573	.1143	.0095	.0421	.2467	1.2345	-.0146	.0152	.0403
10.86	-6.00	1.5079	.2073	.1107	.0081	.0450	.2479	1.5210	-.0577	.0157	.0429
10.16	-6.00	1.5048	.2056	.1109	.0077	.0447	.2488	1.5176	-.0588	.0153	.0427
12.99	-6.00	1.7521	.2915	.1301	.0003	.0428	.2454	1.7744	-.0791	.0092	.0417
13.00	-6.00	1.7628	.2897	.1273	-.0005	.0434	.2499	1.7845	-.0832	.0085	.0425
15.13	-6.00	2.0301	.3575	.1073	-.0036	.0432	.2514	2.0563	-.1443	.0070	.0428
15.13	-6.00	2.0216	.3566	.1061	-.0040	.0426	.2514	2.0478	-.1430	.0064	.0423
17.19	-6.00	2.1379	.4807	.0195	-.0049	.0352	.2634	2.1875	-.1272	.0050	.0352
17.19	-6.00	2.1363	.4837	.0165	-.0041	.0365	.2611	2.1868	-.1239	.0061	.0362
19.23	-6.00	2.2179	.6030	-.1154	-.0040	.0352	.2552	2.2956	-.1119	.0070	.0346
19.23	-6.00	2.2152	.6029	-.1092	-.0048	.0353	.2525	2.2930	-.1111	.0063	.0350

Table 2 (Continued)

Run No. 37 (Cont.)

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{N,W}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
21.27	-6.00	2.2835	.7068	-.1860	-.0029	.0408	.2379	2.3875	-.1168	.0112	.0393
21.27	-6.00	2.2851	.7109	-.1754	-.0029	.0435	.2393	2.3904	-.1135	.0122	.0418
23.32	-6.00	2.3795	.8216	-.2133	.0012	.0436	.1991	2.5139	-.1296	.0174	.0400
23.32	-6.00	2.3725	.8199	-.2090	.0021	.0440	.1957	2.5069	-.1286	.0184	.0399
25.34	-6.00	2.4083	.9404	-.2663	.0066	.0378	.1809	2.5825	-.1205	.0214	.0318
25.34	-6.00	2.4200	.9456	-.2736	.0050	.0390	.1910	2.5954	-.1204	.0204	.0336
27.33	-6.00	2.4045	1.1054	-.2817	.0081	.0346	.1543	2.6457	-.0605	.0224	.0276
27.33	-6.00	2.3965	1.1022	-.2873	.0082	.0330	.1567	2.6371	-.0599	.0218	.0261
29.30	-6.00	2.3421	1.2287	-.4207	.0081	.0444	.1760	2.6448	-.0146	.0280	.0354
29.30	-6.00	2.3432	1.2342	-.4272	.0042	.0434	.1738	2.6483	-.0103	.0240	.0363
31.28	-6.00	2.3123	1.3547	-.3481	.0050	.0655	.1374	2.6798	.0170	.0370	.0542
31.24	-6.00	2.2381	1.3369	-.4258	.0076	.0549	.1136	2.6067	.0387	.0340	.0437





Table 2 (Continued)

Run No. 38 (Cont)

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,w}$	$C_{L,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_L$
21.28	.00	2.2540	.7193	-.1591	.0022	.0169	-.0062	2.3640	-.0950	.0079	.0151
21.28	.00	2.2551	.7172	-.1591	.0032	.0156	-.0094	2.3643	-.0973	.0084	.0138
23.33	.00	2.3361	.8196	-.2150	.0045	.0196	-.0073	2.4730	-.1152	.0114	.0165
23.33	.00	2.3324	.8442	-.2024	.0049	.0190	-.0110	2.4788	-.0910	.0116	.0157
25.35	.00	2.3847	.9697	-.2392	.0122	.0219	-.0126	2.5729	-.0840	.0200	.0150
25.36	.00	2.3900	.9633	-.2394	.0027	.0144	-.0046	2.5752	-.0920	.0083	.0121
27.36	.00	2.4017	1.1120	-.2408	.0056	.0137	-.0004	2.6461	-.0534	.0110	.0098
27.37	.00	2.4129	1.1120	-.2590	.0037	.0130	-.0025	2.6562	-.0983	.0089	.0100
29.39	.00	2.4476	1.2632	-.2928	.0032	.0128	.0092	2.7541	-.0338	.0088	.0098
29.39	.00	2.4465	1.2627	-.2953	.0028	.0120	.0023	2.7530	-.0337	.0081	.0093
31.29	.00	2.2663	1.3681	-.3554	-.0009	.0150	-.0217	2.6467	.0517	.0067	.0134
31.29	.00	2.2615	1.3695	-.3688	-.0053	.0092	-.0238	2.6432	.0553	.0000	.0106

Table 2 (Continued)

Run No. 39	$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
-10.59	-10.59	6.00	-1.1864	.1907	-.0243	.0060	-.0136	-.2786	-1.2014	-.0182	.0083	-.0125
-10.59	-10.59	6.00	-1.1922	.1900	-.0234	.0114	-.0135	-.2811	-1.2071	-.0199	.0135	-.0114
-8.45	-8.45	6.00	-.9359	.1422	.0097	.0103	-.0135	-.2756	-.9465	.0105	.0120	-.0120
-8.45	-8.45	6.00	-.9375	.1409	.0058	.0098	-.0140	-.2723	-.9479	.0091	.0116	-.0125
-6.31	-6.31	6.00	-.6695	.1008	.0222	.0110	-.0186	-.2726	-.6763	.0303	.0128	-.0174
-6.31	-6.31	6.00	-.6689	.0991	.0248	.0108	-.0198	-.2751	-.6756	.0286	.0128	-.0185
-4.16	-4.16	6.00	-.4078	.0776	.0437	.0090	-.0224	-.2684	-.4122	.0490	.0106	-.0217
-4.16	-4.16	6.00	-.4052	.0771	.0449	.0104	-.0228	-.2710	-.4095	.0486	.0119	-.0221
-2.02	-2.02	6.00	-.1435	.0681	.0487	.0095	-.0244	-.2644	-.1457	.0630	.0103	-.0241
-2.02	-2.02	6.00	-.1445	.0679	.0473	.0094	-.0254	-.2751	-.1468	.0628	.0103	-.0251
.12	.12	6.00	.1209	.0676	.0705	.0075	-.0266	-.2605	.1209	.0676	.0075	-.0266
.12	.12	6.00	.1199	.0671	.0706	.0086	-.0263	-.2599	.1198	.0671	.0085	-.0263
2.27	2.27	6.00	.3886	.0775	.0950	.0074	-.0293	-.2511	.3910	.0639	.0063	-.0295
2.27	2.27	6.00	.3880	.0759	.0981	.0071	-.0292	-.2509	.3904	.0623	.0061	-.0294
4.41	4.41	6.00	.6467	.0942	.1209	.0044	-.0333	-.2376	.6516	.0489	.0080	-.0335
4.41	4.41	6.00	.6461	.0945	.1187	.0057	-.0328	-.2403	.6511	.0492	.0034	-.0331
6.56	6.56	6.00	.9234	.1226	.1363	.0032	-.0367	-.2344	.9311	.0254	-.0007	-.0368
6.56	6.56	6.00	.9272	.1215	.1351	.0045	-.0370	-.2369	.9340	.0239	.0006	-.0372
8.72	8.72	6.00	1.2102	.1586	.1470	.0012	-.0392	-.2295	1.2205	-.0114	-.0042	-.0390
8.72	8.72	6.00	1.2102	.1586	.1481	.0015	-.0395	-.2333	1.2205	-.0114	-.0040	-.0393
10.86	10.86	6.00	1.4878	.2086	.1441	.0007	-.0419	-.2239	1.5014	-.0529	-.0066	-.0414
10.87	10.87	6.00	1.4889	.2099	.1438	.0008	-.0416	-.2246	1.5027	-.0518	-.0064	-.0411
12.99	12.99	6.00	1.7300	.2969	.1565	.0103	-.0390	-.2229	1.7539	-.0693	.0020	-.0403
12.99	12.99	6.00	1.7316	.2985	.1546	.0030	-.0400	-.2193	1.7558	-.0681	.0005	-.0410
15.12	15.12	6.00	1.9744	.3673	.1421	.0103	-.0407	-.2164	2.0045	-.1212	.0001	-.0420
15.12	15.12	6.00	1.9754	.3677	.1363	.0104	-.0393	-.2169	2.0077	-.1211	.0005	-.0406
17.21	17.21	6.00	2.1322	.4763	-.0502	.0042	-.0465	-.2391	2.1809	-.1299	-.0088	-.0458
17.20	17.20	6.00	2.1301	.4724	-.0577	.0053	-.0456	-.2408	2.1778	-.1331	-.0074	-.0453
19.23	19.23	6.00	2.1781	.6117	-.1000	.0056	-.0407	-.2257	2.2605	-.0913	-.0073	-.0404
19.22	19.22	6.00	2.1611	.6040	-.1089	.0092	-.0405	-.2272	2.2419	-.0934	-.0038	-.0414

Table 2 (Continued)

Run No. 39 (Cont.)

	$\bar{z}$	$\bar{q}$	$\bar{z}_L$	$\bar{z}_D$	$\bar{z}_M$	$\bar{z}_{n,w}$	$\bar{z}_{1,3}$	$\bar{z}_Y$	$\bar{z}_H$	$\bar{z}_n$	$\bar{z}_1$
21.26	6.00	2.2384	.7121	-.2018	.0080	-.0277	-.2158	2.3470	-.0964	-.0019	-.0287
21.26	6.00	2.2314	.7150	-.2032	.0081	-.0276	-.2178	2.3414	-.0913	-.0018	-.0287
23.30	6.00	2.2992	.8479	-.2311	.0069	-.0267	-.1896	2.4494	-.0751	-.0036	-.0273
23.30	6.00	2.2965	.8455	-.2379	.0076	-.0259	-.1942	2.4460	-.0764	-.0027	-.0268
25.32	6.00	2.3435	.9579	-.2719	.0064	-.0202	-.1624	2.5305	-.0781	-.0023	-.0211
25.34	6.00	2.3744	.9843	-.2803	.0038	-.0164	-.1541	2.5695	-.0665	-.0032	-.0164
27.36	6.00	2.4117	1.1214	-.2957	.0055	-.0190	-.1251	2.6592	-.0493	-.0034	-.0195
27.35	6.00	2.4021	1.1183	-.2960	.0016	-.0209	-.1201	2.6492	-.0479	-.0077	-.0195
29.32	6.00	2.3365	1.2534	-.3995	.0052	-.0341	-.1478	2.6515	.0098	-.0114	-.0325
29.32	6.00	2.3450	1.2483	-.4165	.0062	-.0342	-.1493	2.6566	.0013	-.0106	-.0331
31.32	6.00	2.3365	1.3670	-.4032	.0014	-.0316	-.1369	2.7070	.0156	-.0146	-.0281
31.32	6.00	2.3344	1.3673	-.4032	.0014	-.0378	-.1342	2.7053	.0169	-.0177	-.0334

Table 2 (Continued)

R.A. No. 440

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_E$	$\gamma_{n,w}$	$\gamma_{l,s}$	$\gamma_Y$	$\gamma_N$	$\gamma_A$	$\gamma_n$	$\gamma_l$
.13	-6.00	.1565	.0653	.0625	.0051	.0301	.2768	.1565	.0653	.0051	.0301
.13	-6.00	.1554	.0656	.0631	.0049	.0304	.2763	.1554	.0656	.0049	.0304
.12	-3.00	.1215	.0708	.0899	.0058	.0161	.1423	.1215	.0708	.0058	.0161
.12	-3.00	.1199	.0711	.0896	.0058	.0159	.1391	.1198	.0711	.0058	.0159
.12	.00	.0872	.0652	.1030	.0063	.0013	.0092	.0872	.0652	.0063	.0013
.12	.00	.0840	.0655	.1031	.0084	.0011	.0119	.0840	.0655	.0084	.0011
.12	3.00	.1037	.0714	.0902	.0069	.0132	.1300	.1037	.0714	.0069	.0132
.12	3.00	.1037	.0716	.0916	.0069	.0125	.1263	.1037	.0716	.0069	.0125
.12	6.00	.1257	.0677	.0716	.0081	.0260	.2626	.1257	.0677	.0081	.0260
.13	9.00	.1252	.0659	.0723	.0075	.0257	.2567	.1252	.0659	.0075	.0257
.13	9.00	.1557	.0526	.0382	.0103	.0395	.3951	.1557	.0526	.0103	.0395
.13	9.00	.1513	.0534	.0386	.0104	.0388	.3953	.1573	.0534	.0103	.0388
.14	12.00	.1638	.0234	.0119	.0140	.0523	.5356	.1638	.0234	.0140	.0523
.14	12.00	.1665	.0224	.0107	.0140	.0517	.5321	.1665	.0224	.0140	.0517
.15	15.00	.1648	.0215	.0532	.0147	.0625	.6635	.1648	.0215	.0147	.0625
.15	15.00	.1648	.0223	.0554	.0147	.0630	.6694	.1648	.0222	.0146	.0630
.15	18.00	.1383	.0571	.0195	.0168	.0714	.7985	.1382	.0571	.0168	.0714
.15	18.00	.1388	.0579	.0170	.0166	.0720	.8038	.1388	.0579	.0165	.0720
.15	21.00	.1241	.0551	.0110	.0130	.0780	.9144	.1241	.0551	.0130	.0780
.14	21.00	.1177	.0957	.0081	.0119	.0780	.9137	.1177	.0957	.0119	.0780
.15	24.00	.1248	.1014	.0031	.0103	.0853	.1.0113	.1248	.1014	.0103	.0852
.15	24.00	.1253	.1020	.0058	.0131	.0854	.1.0163	.1253	.1020	.0131	.0854
.16	27.00	.2853	.0519	.0923	.0157	.1028	.1.2575	.2853	.0519	.0157	.1.258
.16	27.00	.2875	.0492	.0934	.0176	.1015	.1.2516	.2875	.0492	.0175	.1.2615
.16	30.00	.1397	.1936	.0363	.0120	.0928	.1.2162	.1397	.1936	.0120	.0928
.16	30.00	.1440	.1850	.0264	.0094	.0932	.1.2162	.1440	.1850	.0094	.0932

Table 2 (Continued)

Run # 41

4.41	-6.00	.6776	.0918	.1159	.0075	.0369	.2650	.6823	.0444	.0101	.0363
4.41	-6.00	.6776	.0932	.1138	.0075	.0367	.2598	.6824	.0457	.0100	.0361
4.41	-3.00	.6420	.0976	.1537	.0071	.0194	.1404	.6472	.0528	.0084	.0189
4.41	-3.00	.6398	.0962	.1526	.0071	.0186	.1350	.6450	.0513	.0084	.0182
4.40	.00	.6012	.0918	.1676	.0071	.0032	.0061	.6061	.0496	.0068	.0037
4.40	.00	.5946	.0917	.1671	.0073	.0011	.0092	.5997	.0500	.0072	.0016
4.40	3.00	.6242	.0980	.1537	.0063	.0143	.1193	.6294	.0542	.0052	.0147
4.40	3.00	.6236	.0975	.1497	.0064	.0159	.1220	.6289	.0538	.0053	.0162
4.41	6.00	.6541	.0941	.1177	.0046	.0333	.2424	.6591	.0482	.0022	.0335
4.41	6.00	.6552	.0938	.1170	.0051	.0332	.2450	.6601	.0479	.0028	.0334
4.42	9.00	.6734	.0816	.0888	.0045	.0499	.3662	.6775	.0344	.0010	.0501
4.42	9.00	.6809	.0823	.0901	.0040	.0496	.3673	.6850	.0346	.0005	.0497
4.42	12.00	.6738	.0535	.0469	.0067	.0655	.4948	.6758	.0063	.0021	.0658
4.42	12.00	.6727	.0538	.0469	.0069	.0659	.4960	.6747	.0067	.0023	.0662
4.42	15.00	.6623	.0116	.0067	.0080	.0805	.6321	.6615	.0346	.0023	.0809
4.42	15.00	.6655	.0122	.0067	.0094	.0810	.6339	.6647	.0342	.0037	.0815
4.41	18.00	.6257	.0230	.0436	.0114	.0931	.7726	.6226	.0666	.0049	.0936
4.41	18.00	.6257	.0228	.0437	.0110	.0935	.7733	.6226	.0663	.0044	.0941
4.40	21.00	.5913	.0534	.0623	.0078	.1013	.8859	.5862	.0663	.0008	.1016
4.40	21.00	.5892	.0291	.0600	.0081	.1024	.8821	.5857	.0701	.0010	.1026
4.40	21.00	.5833	.0283	.0661	.0082	.1027	.8790	.5799	.0689	.0010	.1030
4.36	24.00	.5158	.0377	.1416	.0106	.1021	.9785	.5119	.0735	.0034	.1026
4.36	24.00	.5121	.0375	.1338	.0089	.1007	.9780	.5082	.0731	.0018	.1011
4.35	27.00	.6416	.0323	.0864	.0235	.1116	.11868	.6422	.0125	.0157	.1129
4.35	27.00	.6448	.0351	.0181	.0220	.1131	.11798	.6457	.0099	.0141	.1143
4.36	30.00	.5007	.0981	.0777	.0195	.0987	.11853	.4927	.1328	.0126	.0998
4.35	30.00	.4970	.1015	.0754	.0184	.0990	.11834	.4887	.1359	.0114	.1000

Table 2 (Continued)

$\phi$	$\lambda$	$\phi_D$	$\phi_M$	$C_{M,W}$	$C_{L,S}$	$\phi_Y$	$\phi_N$	$\phi_{L1}$	$\phi_{L2}$	$\phi_{L3}$
8.72	-6.00	1.2368	.1577	.1355	.0105	.0433	.2504	1.2467	-.0160	.0164
8.72	-6.00	1.2352	.1563	.1339	.0085	.0434	.2503	1.2449	-.0171	.0144
8.72	-3.00	1.2067	.1595	.1612	.0080	.0215	.1255	1.2172	-.0100	.0109
8.71	-3.00	1.1987	.1575	.1637	.0073	.0224	.1297	1.2090	-.0108	.0103
8.71	.00	1.1662	.1520	.1872	.0063	.0016	.0082	1.1760	-.0118	.0065
8.71	.00	1.1630	.1511	.1885	.0061	.0013	.0082	1.1727	-.0122	.0061
8.71	3.00	1.1841	.1593	.1701	.0039	.0189	-.1098	1.1947	-.0071	.0012
8.71	3.00	1.1814	.1587	.1683	.0036	.0190	-.1135	1.1919	-.0072	.0009
8.72	6.00	1.2118	.1579	.1458	.0015	.0397	-.2348	1.2220	-.0122	-.0041
8.71	6.00	1.2075	.1576	.1436	.0015	.0393	-.2305	1.2177	-.0120	-.0040
8.71	9.00	1.2252	.1504	.1196	.0034	.0587	-.3595	1.2342	-.0215	-.0048
8.71	9.00	1.2209	.1484	.1156	.0042	.0591	-.3609	1.2296	-.0230	-.0041
8.71	12.00	1.2037	.1212	.0861	.0100	.0795	-.4887	1.2089	-.0475	-.0012
8.67	12.00	1.2027	.1239	.0876	.0056	.0795	-.4885	1.2082	-.0447	-.0055
8.67	15.00	1.1122	.1086	.1082	.0131	.0876	-.6061	1.1165	-.0473	.0008
8.67	15.00	1.1207	.1095	.1087	.0137	.0871	-.6079	1.1250	-.0475	.0014
8.62	18.00	1.0153	.1032	.1423	.0109	.0992	-.7204	1.0198	-.0391	-.0030
8.63	18.00	1.0287	.1056	.1449	.0108	.0995	-.7255	1.0333	-.0386	-.0031
8.61	21.00	.9746	.0751	.1588	.0069	.1118	-.8400	.9756	-.0613	-.0087
8.61	21.00	.9768	.0728	.1626	.0079	.1114	-.8379	.9774	-.0639	-.0077
8.59	24.00	.9407	.0643	.1064	.0085	.1226	-.9389	.9405	-.0673	-.0086
8.57	24.00	.9050	.0590	.1046	.0105	.1251	-.9436	.9043	-.0675	-.0070
8.57	27.00	1.0432	.1359	-.0337	.0292	.1361	-1.1325	1.0519	-.0106	.0100
8.59	27.00	1.0715	.1317	-.0312	.0289	.1367	-1.1376	1.0793	-.0187	.0096
8.52	30.00	.7998	.0303	.0381	.0305	.1107	-1.11006	.7962	-.0813	.0148
8.51	30.00	.7928	.0341	.0402	.0318	.1101	-1.1028	.7898	-.0766	.0162

Table 2 (Continued)

$\sigma$	$\mu$	$\Sigma$	$\Sigma^2$	$\Sigma W$	$\Sigma S$	$\Sigma Y$	$\Sigma X$	$\Sigma A$	$\Sigma B$	$\Sigma C$
12.94	-6.00	1.6657	.3352	-.0009	.0421	.2420	1.6990	-.0185	.0078	.0413
12.94	-6.00	1.6679	.3350	-.0006	.0419	.2452	1.7010	-.0190	.0061	.0410
12.95	-3.00	1.6542	.3268	-.0034	.0190	.1216	1.6660	-.0242	.0006	.0192
12.96	-3.00	1.6665	.3296	-.0034	.0194	.1254	1.6985	-.0241	.0007	.0197
12.96	.00	1.6331	.3181	-.0022	-.0033	-.0025	1.6635	-.0284	-.0028	-.0027
12.95	.00	1.6320	.3185	-.0033	-.0025	-.0004	1.6626	-.0276	-.0036	-.0017
12.96	3.00	1.6611	.3216	-.0050	-.0240	.11273	1.6916	-.0308	-.0099	-.0225
12.97	3.00	1.6646	.3235	-.0044	-.0236	-.1199	1.6956	-.0297	-.0092	-.0222
12.94	6.00	1.6265	.3428	.0026	-.0394	-.2241	1.6622	-.0029	-.0056	-.0390
12.95	6.00	1.6463	.3295	.0095	-.0379	-.2269	1.6787	-.0200	.0014	-.0391
12.93	9.00	1.6240	.3254	.0124	-.0583	-.3460	1.6561	-.0194	.0000	-.0595
12.93	9.00	1.6256	.3248	.0119	-.0582	-.3432	1.6575	-.0203	-.0005	-.0594
12.92	12.00	1.5989	.3047	.0186	-.0801	-.4680	1.6272	-.0344	.0015	-.0822
12.92	12.00	1.5973	.3040	.0191	-.0796	-.4684	1.6255	-.0347	.0021	-.0820
12.87	15.00	1.5004	.2725	.0239	-.0960	-.5847	1.5242	-.0453	.0034	-.0989
12.88	15.00	1.5137	.2730	.0250	-.0955	-.5858	1.5374	-.0476	.0046	-.0986
12.86	18.00	1.4584	.2522	.0330	-.1130	-.7149	1.4789	-.0565	.0088	-.1174
12.87	18.00	1.4664	.2509	.0329	-.1130	-.7149	1.4865	-.0595	.0086	-.1173
12.82	21.00	1.3707	.2100	.0280	-.1208	-.8175	1.3844	-.0796	.0024	-.1230
12.81	21.00	1.3515	.2065	.0271	-.1208	-.8175	1.3649	-.0789	.0014	-.1238
12.80	24.00	1.3230	.1806	.0358	-.1307	-.9169	1.3316	-.0984	.0078	-.1352
12.80	24.00	1.3240	.1800	.0347	-.1312	-.9148	1.3325	-.0992	.0066	-.1355
12.76	27.00	1.3941	.2645	.0605	-.1331	-.11039	1.4186	-.0311	.0315	-.1428
12.77	27.00	1.4069	.2665	.0582	-.1347	-.11051	1.4315	-.0319	.0290	-.1438
12.68	30.00	1.1101	.1615	.0374	-.1045	-.10080	1.1194	-.0726	.0149	-.1100
12.68	30.00	1.1032	.1630	.0358	-.1039	-.10042	1.1129	-.0699	.0134	-.1090











Table 2 (Continued)

$\lambda$	$\rho$	$\sigma_L$	$\sigma_D$	$\sigma_m$	$\sigma_{n,w}$	$\sigma_{L,s}$	$\gamma$	$\sigma_N$	$\sigma_A$	$\sigma_n$	$\sigma_L$
-6.31	-6.00	-.6460	.0540	.1218	.0028	.0218	.2785	-.6481	-.0138	.0005	.0219
-6.31	-6.00	-.6450	.0534	.1225	.0026	.0217	.2792	-.6472	-.0124	.0004	.0219
-6.32	.00	-.7082	.0645	.1406	.0059	-.0013	.0023	-.7110	-.0099	.0060	-.0006
-6.32	.00	-.7082	.0652	.1435	.0060	-.0004	.0002	-.7111	-.0091	.0059	-.0002
-6.31	6.00	-.6753	.0590	.1223	.0081	-.0215	-.2746	-.6778	-.0119	.0103	-.0205
-6.31	6.00	-.6746	.0577	.1223	.0081	-.0217	-.2755	-.6771	-.0132	.0103	-.0208
-6.29	12.00	-.6363	.0046	.0435	.0157	-.0447	-.5664	-.6332	-.0619	.0203	-.0422
-6.29	12.00	-.6352	.0028	.0442	.0158	-.0452	-.5654	-.6320	-.0636	.0204	-.0433
-6.27	18.00	-.6264	-.0732	.0293	.0149	-.0600	-.8285	-.6153	-.1382	.0210	-.0581
-6.27	18.00	-.6296	-.0741	.0297	.0154	-.0591	-.8310	-.6184	-.1395	.0214	-.0571
-6.25	24.00	-.6106	-.1099	.0285	.0005	-.0621	-1.0374	-.5958	-.1731	.0069	-.0617
-6.25	24.00	-.6031	-.1067	.0288	-.0002	-.0610	-1.0307	-.5887	-.1691	.0062	-.0607
-6.22	30.00	-.5461	-.2068	.0293	-.0001	-.0687	-1.2280	-.5215	-.2628	.0071	-.0684
-6.21	30.00	-.5445	-.2033	.0249	-.0003	-.0684	-1.2276	-.5203	-.2591	.0068	-.0680

Table 2 (Continued)

Run No. 49

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_m$	$\gamma_{n,w}$	$\gamma_{l,s}$	$\gamma_y$	$\gamma_N$	$\gamma_i$	$\gamma_n$	$\gamma_l$
-2.03	-6.00	-.1288	.0264	.1410	.0063	.0268	.2661	-.1296	.0219	.0054	.0270
-2.03	-6.00	-.1288	.0260	.1403	.0065	.0268	.2655	-.1296	.0215	.0056	.0270
-2.03	.00	-.1822	.0363	.1542	.0067	-.0007	-.0041	-.1833	.0299	.0067	-.0005
-2.03	.00	-.1822	.0368	.1549	.0066	-.0009	-.0041	-.1833	.0304	.0066	-.0007
-2.03	6.00	-.1584	.0296	.1491	.0064	-.0277	-.2706	-.1593	.0240	.0074	-.0275
-2.03	6.00	-.1616	.0287	.1471	.0065	-.0280	-.2689	-.1624	.0231	.0074	-.0277
-2.02	12.00	-.1289	-.0215	.0660	.0120	-.0520	-.5405	-.1286	-.0259	.0138	-.0515
-2.02	12.00	-.1295	-.0221	.0674	.0137	-.0523	-.5453	-.1376	-.0266	.0138	-.0519
-2.01	18.00	-.1412	-.1001	.0536	.0140	-.0704	-.8126	-.1403	-.1049	.0164	-.0699
-2.01	18.00	-.1439	-.1006	.0552	.0140	-.0703	-.8115	-.1497	-.1056	.0164	-.0698
-2.01	24.00	-.1547	-.1394	.0737	.0048	-.0800	-1.0159	-.1497	-.1447	.0076	-.0797
-2.01	24.00	-.1531	-.1409	.0710	.0051	-.0803	-1.0205	-.1481	-.1461	.0078	-.0801
-1.98	30.00	-.1121	-.2213	.0439	.0021	-.091	-1.2127	-.1043	-.2250	.0052	-.0909
-1.98	30.00	-.1153	-.2200	.0449	.0023	-.0899	-1.2134	-.1076	-.2238	.0054	-.0898

Table 2 (Continued)

Run No	50	$\sigma_z$	$\sigma_{z'}$	$\sigma_m$	$\sigma_{n,w}$	$\sigma_{1.3}$	$\sigma_y$	$\sigma_N$	$\sigma_v$	$\sigma_n$	$\sigma_l$
.11	-6.00	.1240	.0262	.1685	.0073	.0299	.2550	.1240	.0262	.0073	.0298
.11	-6.00	.1261	.0263	.1587	.0073	.0303	.2599	.1261	.0263	.0073	.0303
.11	.00	.0665	.0333	.1783	.0066	-.0007	-.0030	.0664	.0353	.0066	-.0006
.11	.00	.0665	.0358	.1803	.0064	-.0007	-.0041	.0664	.0358	.0064	-.0007
.11	6.00	.0932	.0271	.1693	.0058	-.0282	-.2995	.0932	.0271	.0058	-.0282
.11	6.00	.0905	.0263	.1703	.0051	-.0283	-.2580	.0905	.0283	.0051	-.0283
.12	12.00	.1254	-.0219	.0941	.0080	-.0562	-.5272	.1254	-.0219	.0080	-.0562
.12	12.00	.1266	-.0207	.0954	.0081	-.0564	-.5269	.1266	-.0207	.0081	-.0564
.12	18.00	.0956	-.0969	.0857	.0104	-.0750	-.7773	.0956	-.0969	.0104	-.0750
.13	15.00	.1020	-.0985	.0866	.0098	-.0766	-.7896	.1020	-.0985	.0098	-.0766
.13	24.00	.0880	-.1331	.1005	.0011	-.0903	-.9897	.0880	-.1331	.0011	-.0903
.13	24.00	.0864	-.1347	.0937	.0011	-.0907	-.9913	.0864	-.1347	.0010	-.0907
.14	30.00	.1029	-.2212	.0506	.0034	-.0990	-1.1936	.1029	-.2212	.0034	-.0990
.14	30.00	.1098	-.2207	.0588	.0029	-.0990	-1.1877	.1098	-.2207	.0029	-.0990



Table 2 (Continued)

Run No. 52

	P	Q <sub>1</sub>	Q <sub>2</sub>	Q <sub>3</sub>	Q <sub>4</sub>	Q <sub>5</sub>	Q <sub>6</sub>	Q <sub>7</sub>	Q <sub>8</sub>	Q <sub>9</sub>	Q <sub>10</sub>	Q <sub>11</sub>	Q <sub>12</sub>	Q <sub>13</sub>	Q <sub>14</sub>	Q <sub>15</sub>	Q <sub>16</sub>	Q <sub>17</sub>	Q <sub>18</sub>	Q <sub>19</sub>	Q <sub>20</sub>	Q <sub>21</sub>	Q <sub>22</sub>	Q <sub>23</sub>	Q <sub>24</sub>	Q <sub>25</sub>	Q <sub>26</sub>	Q <sub>27</sub>	Q <sub>28</sub>	Q <sub>29</sub>	Q <sub>30</sub>	Q <sub>31</sub>	Q <sub>32</sub>	Q <sub>33</sub>	Q <sub>34</sub>	Q <sub>35</sub>	Q <sub>36</sub>	Q <sub>37</sub>	Q <sub>38</sub>	Q <sub>39</sub>	Q <sub>40</sub>	Q <sub>41</sub>	Q <sub>42</sub>	Q <sub>43</sub>	Q <sub>44</sub>	Q <sub>45</sub>	Q <sub>46</sub>	Q <sub>47</sub>	Q <sub>48</sub>	Q <sub>49</sub>	Q <sub>50</sub>	Q <sub>51</sub>	Q <sub>52</sub>	Q <sub>53</sub>	Q <sub>54</sub>	Q <sub>55</sub>	Q <sub>56</sub>	Q <sub>57</sub>	Q <sub>58</sub>	Q <sub>59</sub>	Q <sub>60</sub>	Q <sub>61</sub>	Q <sub>62</sub>	Q <sub>63</sub>	Q <sub>64</sub>	Q <sub>65</sub>	Q <sub>66</sub>	Q <sub>67</sub>	Q <sub>68</sub>	Q <sub>69</sub>	Q <sub>70</sub>	Q <sub>71</sub>	Q <sub>72</sub>	Q <sub>73</sub>	Q <sub>74</sub>	Q <sub>75</sub>	Q <sub>76</sub>	Q <sub>77</sub>	Q <sub>78</sub>	Q <sub>79</sub>	Q <sub>80</sub>	Q <sub>81</sub>	Q <sub>82</sub>	Q <sub>83</sub>	Q <sub>84</sub>	Q <sub>85</sub>	Q <sub>86</sub>	Q <sub>87</sub>	Q <sub>88</sub>	Q <sub>89</sub>	Q <sub>90</sub>	Q <sub>91</sub>	Q <sub>92</sub>	Q <sub>93</sub>	Q <sub>94</sub>	Q <sub>95</sub>	Q <sub>96</sub>	Q <sub>97</sub>	Q <sub>98</sub>	Q <sub>99</sub>	Q <sub>100</sub>	Q <sub>101</sub>	Q <sub>102</sub>	Q <sub>103</sub>	Q <sub>104</sub>	Q <sub>105</sub>	Q <sub>106</sub>	Q <sub>107</sub>	Q <sub>108</sub>	Q <sub>109</sub>	Q <sub>110</sub>	Q <sub>111</sub>	Q <sub>112</sub>	Q <sub>113</sub>	Q <sub>114</sub>	Q <sub>115</sub>	Q <sub>116</sub>	Q <sub>117</sub>	Q <sub>118</sub>	Q <sub>119</sub>	Q <sub>120</sub>	Q <sub>121</sub>	Q <sub>122</sub>	Q <sub>123</sub>	Q 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<sub>820</sub>	Q <sub>821</sub>	Q <sub>822</sub>	Q <sub>823</sub>	Q <sub>824</sub>	Q <sub>825</sub>	Q <sub>826</sub>	Q <sub>827</sub>	Q <sub>828</sub>	Q <sub>829</sub>	Q <sub>830</sub>	Q <sub>831</sub>	Q <sub>832</sub>	Q <sub>833</sub>	Q <sub>834</sub>	Q <sub>835</sub>	Q <sub>836</sub>	Q <sub>837</sub>	Q <sub>838</sub>	Q <sub>839</sub>	Q <sub>840</sub>	Q <sub>841</sub>	Q <sub>842</sub>	Q <sub>843</sub>	Q <sub>844</sub>	Q <sub>845</sub>	Q <sub>846</sub>	Q <sub>847</sub>	Q <sub>848</sub>	Q <sub>849</sub>	Q <sub>850</sub>	Q <sub>851</sub>	Q <sub>852</sub>	Q <sub>853</sub>	Q <sub>854</sub>	Q <sub>855</sub>	Q <sub>856</sub>	Q <sub>857</sub>	Q <sub>858</sub>	Q <sub>859</sub>	Q <sub>860</sub>	Q <sub>861</sub>	Q <sub>862</sub>	Q <sub>863</sub>	Q <sub>864</sub>	Q <sub>865</sub>	Q <sub>866</sub>	Q <sub>867</sub>	Q <sub>868</sub>	Q <sub>869</sub>	Q <sub>870</sub>	Q <sub>871</sub>	Q <sub>872</sub>	Q <sub>873</sub>	Q <sub>874</sub>	Q <sub>875</sub>	Q <sub>876</sub>	Q <sub>877</sub>	Q <sub>878</sub>	Q <sub>879</sub>	Q <sub>880</sub>	Q <sub>881</sub>	Q <sub>882</sub>	Q <sub>883</sub>	Q <sub>884</sub>	
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Table 2 (Continued)

Run No. 53

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{u,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
10.82	.00	1.3773	.2279	.2652	-.0025	-.0024	-.0067	1.3959	-.0147	-.0028	-.0020
10.82	.00	1.3784	.2269	.2600	-.0020	-.0049	-.0099	1.3968	-.0159	-.0028	-.0045
10.81	-6.00	1.4098	.2345	.2349	.0003	.0402	.2299	1.4291	-.0139	.0072	.0396
10.81	-6.00	1.4093	.2362	.2371	-.0001	.0406	.2280	1.4289	-.0121	.0070	.0400
10.82	.00	1.3816	.2292	.2580	-.0016	-.0050	-.0121	1.4004	-.0142	-.0024	-.0047
10.82	.00	1.3731	.2279	.2591	-.0011	-.0052	-.0110	1.3917	-.0139	-.0019	-.0049
10.83	6.00	1.4217	.2102	.2166	.0005	-.0451	-.2347	1.4366	-.0399	-.0083	-.0444
10.83	6.00	1.4243	.2105	.2155	-.0002	-.0453	-.2363	1.4392	-.0400	-.0080	-.0446
10.78	12.00	1.341	.2039	.2203	.0105	-.0803	-.4672	1.3561	-.0320	-.0037	-.0809
10.78	12.00	1.3459	.2037	.2218	.0101	-.0816	-.4622	1.3606	-.0331	-.0042	-.0820
10.74	18.00	1.2289	.1490	.2357	.0196	-.1124	-.7136	1.2361	-.0667	-.0000	-.1.41
10.74	18.00	1.2289	.1491	.2321	.0197	-.1.33	-.7176	1.2361	-.0665	-.0002	-.1150
10.68	24.00	1.0999	.0955	.1390	.0194	-.1346	-.9169	1.0998	-.0970	-.0042	-.1359
10.68	24.00	1.1031	.0972	.1470	.0196	-.1342	-.9205	1.1032	-.0959	-.0040	-.1356
10.59	30.00	.9334	.0661	.1039	.0276	-.1.58	-.1.0378	.9307	-.0970	.0071	-.1182
10.59	30.00	.9329	.0659	.1001	.0281	-.1.63	-.1.0365	.9302	-.0970	.0071	-.1214
10.82	.00	1.3693	.2280	.2627	-.0018	-.0036	-.0030	1.3881	-.0133	-.0023	-.0033
10.82	.00	1.3757	.2293	.2617	-.0016	-.0038	-.0105	1.3946	-.0131	-.0022	-.0035

Table 2 (Continued)

$\lambda$	$\beta$	$\lambda_1$	$C_{\gamma}$	$C_{\pi}$	$C_{n,w}$	$C_{l,s}$	$C_{\gamma}$	$C_K$	$C_A$	$C_n$	$C_l$
12.93	.00	1.5947	.3178	.2531	.0024	-.0023	-.0089	1.6259	-.0207	.0018	-.0027
12.93	.00	1.5963	.3197	.2553	.0017	-.0019	-.0057	1.6279	-.0192	.0012	-.0022
12.93	-6.00	1.6503	.3000	.2083	-.0002	.0399	.2261	1.6765	-.0497	.0081	.0391
12.93	-6.00	1.6476	.3008	.2142	-.0000	.0402	.2299	1.6741	-.0483	.0063	.0393
12.95	.00	1.6230	.2962	.2293	-.0040	-.0067	-.0099	1.6490	-.0477	-.0053	-.0057
12.95	.00	1.6235	.2957	.2321	-.0038	-.0067	-.0078	1.6495	-.0483	-.0051	-.0057
12.93	6.00	1.6164	.3176	.2279	-.0001	-.0437	-.2285	1.6471	-.0254	-.0091	-.0427
12.93	6.00	1.6146	.3155	.2265	.0001	-.0444	-.2262	1.6451	-.0271	-.0092	-.0434
12.90	12.00	1.5637	.2700	.1658	.0131	-.0853	-.4698	1.5856	-.0610	-.0049	-.0861
12.85	12.00	1.5695	.2695	.1568	.0137	-.0843	-.4696	1.5912	-.0627	-.0041	-.0853
12.85	18.00	1.4349	.2212	.0909	.0299	-.1211	-.7098	1.4495	-.0820	.0041	-.1246
12.85	16.00	1.4376	.2197	.0845	.0315	-.1229	-.7109	1.4518	-.0840	.0052	-.1267
12.78	24.00	1.2867	.1500	.1122	.0277	-.1390	-.916	1.2897	-.1208	-.0018	-.1417
12.78	24.00	1.2867	.1508	.1139	.0275	-.1322	-.9376	1.2929	-.1200	-.0020	-.1419
12.66	30.00	1.0712	.1266	.0931	.0267	-.1111	-.9907	1.0740	-.0988	.0030	-.1142
12.66	30.00	1.0680	.1307	.0933	.0274	-.1120	-.9900	1.0718	-.0942	.0035	-.1152
12.93	.00	1.5894	.3188	.2570	.0024	-.0014	-.0083	1.6209	-.0186	.0021	-.0019
12.94	.00	1.6011	.3205	.2637	.0025	-.0005	-.0035	1.6328	-.0194	.0023	-.0010

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$t$	$\hat{c}_L$	$\hat{c}_{T_1}$	$\hat{c}_{T_2}$	$\hat{c}_{n,w}$	$\hat{c}_{i,s}$	$\hat{c}_Y$	$\hat{c}_N$	$\hat{c}_A$	$\hat{c}_n$	$\hat{c}_l$
17.17	2.0572	.4942	.1369	.0023	-.0027	.0002	2.1137	-.0919	.0016	-.0032
17.18	2.0652	.4975	.1193	.0023	-.0005	-.0020	2.1223	-.0910	.0021	-.0010
17.16	2.0856	.4661	.0113	-.0057	.0376	2.1332	2.1332	-.1268	.0050	.0379
17.15	2.0637	.4632	.0242	-.0049	.0371	2.488	2.1114	-.1236	.0055	.0370
17.17	2.0513	.4997	.1166	.0014	.0006	.0039	2.1096	-.0851	.0015	-.0002
17.19	2.0849	.4990	.1269	.0026	.0004	-.0004	2.1417	-.0950	.0026	-.0003
17.15	2.0314	.4651	-.0029	.0123	.0421	-.2446	2.1809	-.1129	.0002	-.0438
17.15	2.0293	.4622	.0058	.0121	.0423	-.2444	2.0786	-.1152	.0000	-.0439
17.11	1.9621	.4258	-.0293	.0255	-.0880	-.4788	2.0034	-.1315	.0003	-.0916
17.10	1.9461	.4252	-.0357	.0240	-.0901	-.4724	1.9879	-.1277	-.0012	-.0932
17.04	1.7946	.3616	.0009	.0460	-.1208	-.7074	1.8248	-.1469	.0110	-.1288
17.03	1.7872	.3601	-.0061	.0471	-.1199	-.7137	1.8171	-.1465	.0122	-.1282
16.92	1.5616	.3053	.0133	.0527	-.1217	-.8694	1.5852	-.1370	.0171	-.1314
16.91	1.5488	.3066	.0080	.0510	-.1256	-.8605	1.5733	-.1322	.0144	-.1348
16.81	1.3473	.2734	.0379	.0306	-.1124	-.9202	1.3705	-.1086	-.0015	-.1164
16.81	1.3596	.2734	.0382	.0288	-.1122	-.9199	1.3823	-.1119	-.0032	-.1158
17.18	.00	.5007	.1271	.0028	.0003	.0002	2.1268	-.0890	.0027	-.0005
17.18	.00	.5003	.1336	.0030	.0012	-.0009	2.1261	-.0892	.0032	-.0003

Table 2 (Continued)

Run No. 56

$\alpha$	$\beta$	$\gamma$	$\delta$	$\epsilon$	$\zeta$	$\eta$	$\theta$	$\iota$	$\kappa$	$\lambda$	$\mu$	$\nu$	$\xi$	$\pi$	$\rho$	$\sigma$	$\tau$
21.27	.00	2.2284	.7122	-.1251	.0054	.0204	-.0099	2.3376	-.0929	.0120	.0173						
21.26	.00	2.2444	.7101	-.1201	.0034	.0194	-.0105	2.3519	-.1003	.0098	.0171						
21.30	-6.00	2.3325	.6891	-.1828	-.0002	.0452	.2334	2.4275	-.1502	.0153	.0425						
21.30	-6.00	2.3379	.6934	-.1762	-.0014	.0470	.2290	2.4340	-.1480	.0148	.0446						
21.26	.00	2.2209	.7111	-.1361	.0063	.0175	-.0110	2.3302	-.0914	.0118	.0143						
21.27	.00	2.2266	.7128	-.1321	.0054	.0179	-.0094	2.3363	-.0918	.0111	.0150						
21.25	6.00	2.2048	.6952	-.1313	.0050	-.0280	-.2240	2.3096	-.1008	.0049	-.0280						
21.25	6.00	2.2160	.6978	-.1274	.0051	-.0287	-.2312	2.3210	-.1022	.0051	-.0287						
21.24	12.00	2.1920	.6652	-.1823	.0257	-.0736	-.4302	2.2873	-.1246	.0010	-.0779						
21.24	12.00	2.1925	.6616	-.1875	.0252	-.0782	-.4234	2.2865	-.1281	.0031	-.0821						
21.16	18.00	2.0176	.6065	-.1381	.0526	-.0945	-.6452	2.1033	-.1201	.0171	-.1068						
21.15	18.00	2.0016	.6052	-.1536	.0506	-.0938	-.6497	2.0878	-.1159	.0155	-.1054						
21.04	24.00	1.7829	.5237	-.2402	.0475	-.1049	-.7696	1.8545	-.1177	.0086	-.1148						
21.04	24.00	1.7899	.5221	-.2336	.0507	-.1044	-.7916	1.8605	-.1216	.0119	-.1154						
20.91	30.00	1.5308	.4754	-.1310	.0239	-.1081	-.8253	1.6010	-.0769	.0145	-.1097						
20.91	30.00	1.5404	.4760	-.1151	.0235	-.1107	-.8266	1.6103	-.0795	.0157	-.1120						
21.24	.00	2.1836	.7069	-.2060	.0038	.0253	-.0078	2.2936	-.0886	.0122	.0225						
21.25	.00	2.1975	.7082	-.1981	.0031	.0266	-.0067	2.3071	-.0861	.0120	.0239						

Table 2 (Continued)

[illegible]



Table 2 (Continued)

Run No.	Q	T	D	m	n,w	l,s	Y	N	C <sub>A</sub>	C <sub>B</sub>	C <sub>T</sub>
-10.61	.00	-1.2584	.1611	.1412	.0039	.0020	.0034	-1.2672	-.0598	.0034	.0026
-10.61	.00	-1.2579	.1597	.1346	.0060	.0015	.0002	-1.2664	-.0612	.0056	.0025
-10.59	-6.00	-1.1684	.1476	.1060	.0028	.0169	.2791	-1.1763	-.0576	-.0002	.0172
-10.60	-6.00	-1.1732	.1485	.1036	.0022	.0168	.2760	-1.1812	-.0574	-.0008	.0169
-10.61	.00	-1.2595	.1569	.1394	.0064	.0010	.0013	-1.2675	-.0642	.0062	.0020
-10.61	.00	-1.2611	.1547	.1374	.0084	.0013	-.0030	-1.2691	-.0647	.0081	.0027
-10.60	6.00	-1.2077	.1498	.1021	.0071	.0142	-.2779	-1.2153	-.0622	.0095	-.0127
-10.60	6.00	-1.2077	.1488	.1071	.0075	.0143	-.2794	-1.2151	-.0631	.0098	-.0128
-10.56	12.00	-1.1329	.0672	.0072	.0152	.0315	-.5694	-1.1306	-.1108	.0204	-.0284
-10.56	12.00	-1.1339	.0879	.0046	.0153	.0312	-.5696	-1.1319	-.1104	.0204	-.0280
-10.54	16.00	-1.1177	.0182	-.0086	.0084	.0362	-.8163	-1.1039	-.1761	.0145	-.0342
-10.53	18.00	-1.1161	.0192	-.0068	.0081	.0360	-.8183	-1.1024	-.1749	.0141	-.0341
-10.51	24.00	-1.0863	-.0397	.0117	.0005	.0381	-1.0364	-1.0629	-.2278	.0070	-.0374
-10.51	24.00	-1.0836	-.0384	.0095	.0011	.0369	-1.0306	-1.0605	-.2259	.0074	-.0361
-10.43	30.00	-.9461	-.0356	.0739	-.0061	.0336	-1.1144	-.9255	-.1996	-.0001	-.0341
-10.43	30.00	-.9407	-.0372	.0760	-.0067	.0319	-1.1020	-.9200	-.1999	-.001	-.0326
-10.61	.00	-1.2600	.1588	.1395	.0047	.0004	.0077	-1.2684	-.0624	.0045	.0012
-10.61	.00	-1.2579	.1591	.1410	.0049	.0014	.0066	-1.2664	-.0617	.0046	.0022

Run No. 53

Table 2 (Continued)

Run No. 10

$\alpha$	$\alpha_L$	$\alpha_{T1}$	$\alpha_m$	$\alpha_{n,w}$	$\alpha_{i,s}$	$\gamma$	$\gamma_N$	$\gamma$	$\gamma_n$	$\gamma_L$
-6.33	-.7397	.0688	.1640	.0066	-.0015	-.0062	-.7428	-.0089	.0067	-.0008
-6.33	-.7391	.0676	.1626	.0064	-.0014	-.0062	-.7421	-.0100	.0064	-.0008
-6.33	-.6732	.0547	.1420	.0035	.0197	.2721	-.6752	-.0160	.0014	.0199
-6.32	-.6711	.0553	.1369	.0033	.0207	.2737	-.6732	-.0151	.0012	.0209
-6.33	-.7311	.0668	.1698	.0063	-.0018	-.0078	-.7341	-.0099	.0065	-.0011
-6.33	-.7359	.0688	.1702	.0065	-.0023	-.0083	-.7390	-.0085	.0067	-.0016
-6.32	-.6986	.0575	.1431	.0114	-.0241	-.2899	-.6976	-.0156	.0138	-.0227
-6.32	-.6986	.0593	.1459	.0097	-.0245	-.2907	-.7011	-.0141	.0122	-.0233
-6.30	-.6549	.0069	.0652	.0166	-.0459	-.5728	-.6520	-.0616	.0213	-.0439
-6.30	-.6512	.0057	.0629	.0160	-.0463	-.5763	-.6482	-.0624	.0207	-.0443
-6.29	-.6502	-.0733	.0481	.0161	-.0604	-.8479	-.6455	-.1416	.0222	-.0584
-6.29	-.6536	-.0735	.0454	.0166	-.0587	-.8434	-.6423	-.1413	.0226	-.0566
-6.27	-.6341	-.1088	.0597	.0004	-.0627	-1.0500	-.6192	-.1744	.0069	-.0623
-6.27	-.6319	-.1072	.0567	.0027	-.0622	-1.0466	-.6172	-.1726	.0092	-.0616
-6.23	-.5776	.8631	.5063	-.0001	.0701	.5982	-.6646	.7979	-.0074	.7697
-6.23	-.5802	.8656	.5089	-.0005	.0715	.6078	-.6675	.8002	-.0079	.0710
-6.33	-.7439	.0683	.1711	.0062	-.0017	-.0035	-.7470	-.0098	.0063	-.0010
-6.34	-.7450	.0694	.1709	.0065	-.0016	-.0041	-.7481	-.0088	.0066	-.0009



Table 2 (Continued)

Run No. 61

	$\delta$	$\tau_L$	$\tau_D$	$C_m$	$C_{n,w}$	$C_{l,s}$	$C_y$	$C_N$	$\tau_1$	$C_n$	$\tau_2$
-10.63	.00	-1.2851	.1625	.1266	.0035	.0026	.0071	-1.2937	-.0631	.0029	.0034
-10.62	.00	-1.2834	.1596	.1270	.0062	.0031	.0057	-1.2906	-.0653	.0056	.0041
-10.61	-6.00	-1.1882	.1520	.0871	.0031	.0157	.2757	-1.1965	-.0567	.0003	.0160
-10.61	-6.00	-1.1887	.1523	.0618	.0032	.0141	.2768	-1.1971	-.0565	.0007	.0144
-10.62	.00	-1.2797	.1592	.1224	.0052	.0031	.0082	-1.2879	-.0655	.0046	.0039
-10.63	.00	-1.2851	.1604	.1236	.0033	.0034	.0125	-1.2934	-.0652	.0026	.0039
-10.61	6.00	-1.2280	.1522	.0879	.0059	-.0118	-.2657	-1.2357	-.0634	.0078	-.0106
-10.61	6.00	-1.2312	.1527	.0915	.0056	-.0115	-.2642	-1.2389	-.0634	.0074	-.0103
-10.58	12.00	-1.1627	.0895	-.0041	.0145	-.0296	-.5670	-1.1606	-.1137	.0194	-.0666
-10.57	12.00	-1.1600	.0915	-.0056	.0139	-.0288	-.5587	-1.1583	-.1113	.0186	-.0259
-10.55	18.00	-1.1385	.0216	-.0219	.0080	-.0347	-.8194	-1.1249	-.1764	.0139	-.0328
-10.54	16.00	-1.1326	.0212	-.0243	.0082	-.0353	-.8148	-1.1191	-.1798	.0142	-.0333
-10.52	24.00	-1.1018	-.0354	-.0001	-.0016	-.0339	-1.0107	-1.0789	-.2261	.0043	-.0336
-10.52	24.00	-1.0986	-.0357	.0027	-.0006	-.0331	-1.0135	-1.0757	-.2299	.0052	-.0327
-10.45	30.00	-.9898	-.0510	.0602	-.0048	-.0315	-1.1056	-.9659	-.2221	.0007	-.0318
-10.46	30.00	-.9951	-.0482	.0657	-.0078	-.0320	-1.0979	-.9716	-.2202	-.0021	-.0328
-10.63	.00	-1.2845	.1622	.1276	.0040	.0021	.0151	-1.2932	-.0633	.0036	.0027
-10.63	.00	-1.2883	.1637	.1266	.0036	.0033	.0125	-1.2971	-.0625	.0030	.0039

Table 2 (Continued)

z	β	α	μ <sub>1</sub>	μ <sub>2</sub>	μ <sub>3</sub>	μ <sub>4</sub>	μ <sub>5</sub>	γ	κ	σ	σ <sub>1</sub>	σ <sub>2</sub>
-6.32	.00	-.7258	.0676	.1605	.0058	-.0008	.0023	-.7289	-.0087	.0058	-.0002	
-6.32	.00	-.7247	.0669	.1602	.0060	-.0013	-.0020	-.7277	-.0092	.0060	-.0006	
-6.32	-6.00	-.6631	.0558	.1361	.0032	.0209	.2786	-.6652	-.0139	.0009	.0211	
-6.32	-6.00	-.6604	.0555	.1389	.0030	.0205	.2743	-.6626	-.0138	.0008	.0206	
-6.33	.00	-.7274	.0679	.1622	.0050	-.0014	-.0041	-.7305	-.0085	.0051	-.0009	
-6.33	.00	-.7306	.0679	.1590	.0063	-.0020	-.0057	-.7336	-.0088	.0064	-.0013	
-6.32	6.00	-.6951	.0617	.1404	.0074	-.0231	-.2754	-.6977	-.0113	.0097	-.0222	
-6.32	6.00	-.6897	.0596	.1409	.0075	-.0223	-.2757	-.6922	-.0126	.0098	-.0214	
-6.30	12.00	-.6517	.0045	.0556	.0162	-.0442	-.5614	-.6486	-.0637	.0208	-.0423	
-6.30	12.00	-.6501	.0067	.0584	.0144	-.0450	-.5618	-.6472	-.0613	.0190	-.0432	
-6.28	18.00	-.6472	-.0724	.0391	.0155	-.0587	-.8336	-.6361	-.1396	.0215	-.0567	
-6.28	18.00	-.6472	-.0727	.0388	.0150	-.0591	-.8336	-.6360	-.1399	.0211	-.0572	
-6.26	24.00	-.6261	-.1084	.0547	.0012	-.0622	-.1.0339	-.6113	-.1732	.0077	-.0617	
-6.26	24.00	-.6250	-.1055	.0476	.0013	-.0613	-.1.0329	-.6105	-.1702	.0076	-.0608	
-6.22	30.00	-.5610	-.2045	.0462	.0030	-.0686	-.1.2305	-.5366	-.2620	.0102	-.0679	
-6.23	30.00	-.5760	-.2031	.0362	.0023	-.0679	-.1.2305	-.5516	-.2621	.0094	-.0673	
-6.23	30.00	-.5674	-.2050	.0381	.0036	-.0692	-.1.2363	-.5429	-.2632	.0107	-.0685	
-6.33	.00	-.7290	.0674	.1663	.0061	-.0016	-.0020	-.7320	-.0092	.0062	-.0010	
-6.32	.00	-.7258	.0676	.1625	.0060	-.0013	-.0009	-.7289	-.0087	.0060	-.0006	

μ in No. 1



Table 2 (Continued)

$\lambda$	$\lambda'$	$D'$	$\tau_m$	$\tau_{n,w}$	$C_{l,s}$	$\gamma$	$\tau_N$	$\tau_c$	$\tau_n$	$C_l$
.11	.00	.0636	.1907	.0065	-.0014	-.0030	.0638	.0350	.0065	-.0014
.10	.00	.0611	.1906	.0065	-.0017	-.0067	.0611	.0342	.0065	-.0016
.11	-6.00	.1266	.1764	.0062	.0290	.2603	.1266	.0256	.0062	.0290
.11	-6.00	.1272	.1741	.0066	.0297	.2597	.1271	.0250	.0066	.0297
.11	.00	.0659	.1917	.0067	-.0009	-.0035	.0659	.0357	.0067	-.0009
.11	.00	.0665	.1916	.0068	-.0016	-.0035	.0664	.0344	.0068	-.0016
.11	6.00	.0943	.1845	.0056	-.0296	-.2626	.0942	.0284	.0056	-.0296
.11	6.00	.0943	.1824	.0045	-.0294	-.2564	.0942	.0286	.0045	-.0294
.12	12.00	.1302	.1048	.0096	-.0564	-.5265	.1302	-.0201	.0096	-.0564
.12	12.00	.1265	.1039	.0096	-.0568	-.5215	.1265	-.0221	.0096	-.0568
.12	12.00	.0961	.0967	.0116	-.0778	-.7945	.0961	-.0974	.0116	-.0778
.12	12.00	.0983	.0970	.0116	-.0770	-.7947	.0982	-.0985	.0115	-.0770
.13	24.00	.0864	.1121	.0047	-.0919	-1.0047	.0864	-1.336	.0047	-.0919
.13	24.00	.0653	.1051	.0037	-.0935	-1.0046	.0653	-1.339	.0037	-.0935
.14	30.00	.0997	.0628	.0034	-1.006	-1.2097	.0997	-2.160	.0034	-1.007
.14	30.00	.1006	.0595	.0046	-1.011	-1.2080	.1007	-2.144	.0046	-1.011
.11	.00	.0659	.1906	.0067	-.0010	-.0030	.0659	.0347	.0067	-.0010
.11	.00	.0686	.1915	.0068	-.0014	-.0051	.0686	.0352	.0068	-.0014

Table 2 (Continued)

Run No. 5

$\lambda$	$\phi$	$\rho$	$\rho'$	$\pi$	$\tau_{n,w}$	$\phi_{1,3}$	$\gamma$	$\phi_n$	$\phi_A$	$\tau_n$	$\phi_1$
2.25	.00	.3330	.0437	.2271	.0067	-.0015	-.0014	.3343	.0321	.0067	-.0017
2.25	.00	.3298	.0438	.2290	.0068	-.0019	-.0014	.3311	.0323	.0067	-.0021
2.26	-6.00	.3966	.0340	.2028	.0081	.0326	.2560	.3975	.0201	.0092	.0323
2.26	-6.00	.3972	.0350	.2020	.0079	.0330	.2588	.3981	.0211	.0090	.0327
2.25	.00	.3325	.0437	.2296	.0067	-.0020	-.0030	.3338	.0321	.0066	-.0021
2.25	.00	.3314	.0441	.2273	.0068	-.0014	.0013	.3327	.0325	.0067	-.0016
2.26	6.00	.3742	.0382	.2044	.0046	-.0329	-.2529	.3752	.0251	.0034	-.0331
2.26	6.00	.3726	.0378	.2083	.0045	-.0329	-.2512	.3736	.0248	.0034	-.0330
2.27	12.00	.3951	.0082	.1319	.0072	-.0639	-.5135	.3945	-.0219	.0050	-.0641
2.27	12.00	.3977	.0091	.1341	.0070	-.0647	-.5160	.3972	-.0229	.0047	-.0646
2.27	18.00	.3569	.0804	.1239	.0090	-.0877	-.7745	.3539	-.0928	.0060	-.0880
2.27	16.00	.3580	.0824	.1251	.0093	-.0876	-.7789	.3549	-.0948	.0062	-.0878
2.26	24.00	.3318	.1197	.1359	.0021	-.1037	-.9897	.3274	-.1312	.0015	-.1037
2.26	24.00	.3345	.1227	.1373	.0029	-.1050	-.9948	.3300	-.1342	.0008	-.1050
2.23	30.00	.2752	.1657	.1335	.0074	-.1003	-1.1775	.2693	-.1752	.0039	-.1005
2.23	30.00	.2699	.1606	.1340	.0071	-.1008	-1.1750	.2641	-.1699	.0036	-.1009
2.25	.00	.3325	.0449	.2297	.0068	-.0018	-.0025	.3338	.0333	.0067	-.0020
2.25	.00	.3362	.0443	.2292	.0070	-.0016	-.0020	.3375	.0325	.0069	-.0018

Table 2 (Continued)

Run No.	t	e	T	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>4</sub>	T <sub>5</sub>	T <sub>6</sub>	T <sub>7</sub>	T <sub>8</sub>	T <sub>9</sub>	T <sub>10</sub>
6.55	6.55	.00	.8684	.0886	.2712	.0070	.0012	.0018	.8729	-.0024	.0068	-.0019	
6.55	6.55	.00	.8684	.0880	.2715	.0070	.0012	.0013	.8726	-.0033	.0068	-.0019	
6.55	6.55	-6.00	.9325	.0819	.2423	.0099	.0395	.2456	.9359	-.0160	.0139	.0382	
6.55	6.55	-6.00	.9287	.0824	.2430	.0081	.0387	.2396	.9322	-.0151	.0125	.0376	
6.55	6.55	.00	.8673	.0884	.2682	.0065	.0014	.0002	.8718	-.0027	.0064	-.0020	
6.54	6.54	.00	.8641	.0885	.2678	.0069	.0013	.0002	.8686	-.0023	.0068	-.0020	
6.56	6.56	6.00	.9160	.0864	.2343	.0016	.0416	-.2419	.9200	-.0098	-.0028	-.0417	
6.56	6.56	6.00	.9165	.0872	.2347	.0017	.0408	-.2360	.9205	-.0091	-.0026	-.0407	
6.55	6.55	12.00	.9175	.0434	.1808	.0045	.0800	-.5023	.9170	-.0527	-.0038	-.0600	
6.55	6.55	12.00	.9175	.0433	.1784	.0046	.0802	-.5022	.9170	-.0529	-.0038	-.0802	
6.50	6.50	18.00	.7813	.0029	.2311	.0100	.1039	-.7454	.7773	-.0788	-.0009	-.1043	
6.50	6.50	18.00	.7872	.0015	.2416	.0112	.1006	-.7477	.7830	-.0808	.0006	-.1012	
6.46	6.46	24.00	.7019	-.0212	.2419	.0117	.1201	-.9606	.6958	-.0945	-.0005	-.1207	
6.47	6.47	24.00	.7126	-.0219	.2317	.0094	.1215	-.9538	.7064	-.0962	-.0034	-.1218	
6.46	6.46	30.00	.6906	-.0902	.1714	.0178	.1243	-1.1760	.6774	-.1618	.0047	-.1254	
6.46	6.46	30.00	.6879	-.0904	.1677	.0182	.1248	-1.1753	.6747	-.1618	.0051	-.1260	
6.55	6.55	.00	.8668	.0889	.2703	.0070	.0015	.0007	.8713	-.0022	.0068	-.0023	
6.55	6.55	.00	.8700	.0890	.2699	.0068	.0007	.0007	.8745	-.0024	.0067	-.0013	

Table 2 (Continued)

Run No.	$\alpha$	$\beta$	$\gamma$	$\delta$	$\epsilon$	$\zeta$	$\eta$	$\theta$	$\iota$	$\kappa$	$\lambda$	$\mu$	$\nu$	$\xi$	$\pi$	$\rho$	$\sigma$	$\tau$	$\upsilon$	$\phi$	$\chi$	$\psi$	$\omega$
10.82	10.82	.00	1.3741	.2220	.2668	-.0015	-.0057	-.0110	1.3918	-.0200	-.0025	-.0053											
10.82	10.82	.00	1.3715	.2228	.2635	-.0007	-.0057	-.0089	1.3893	-.0187	-.0017	-.0055											
10.80	10.80	-6.00	1.3992	.2303	.2352	.0000	.0394	.2301	1.4178	-.0161	.0069	.0388											
10.80	10.80	-6.00	1.4029	.2287	.2392	-.0002	.0384	.2304	1.4213	-.0184	.0065	.0379											
10.82	10.82	.00	1.3784	.2229	.2651	-.0015	-.0055	-.0046	1.3961	-.0199	-.0024	-.0052											
10.82	10.82	.00	1.3731	.2242	.2677	-.0007	-.0051	-.0057	1.3911	-.0176	-.0016	-.0049											
10.82	10.82	6.00	1.4062	.2062	.2182	.0004	-.0465	-.2456	1.4206	-.0411	-.0077	-.0459											
10.82	10.82	6.00	1.4076	.2066	.2187	.0007	-.0476	-.2414	1.4222	-.0410	-.0076	-.0469											
10.77	10.77	12.00	1.3288	.1985	.2123	.0124	-.0833	-.4743	1.3430	-.0392	-.0022	-.0842											
10.78	10.78	12.00	1.3395	.1983	.2158	.0127	-.0825	-.4742	1.3535	-.0373	-.0018	-.0834											
10.73	10.73	18.00	1.2140	.1477	.2321	.0231	-.1162	-.7224	1.2212	-.0654	.0026	-.1184											
10.74	10.74	18.00	1.2247	.1474	.2374	.0247	-.1150	-.7277	1.2316	-.0675	.0044	-.1175											
10.68	10.68	24.00	1.0962	.0938	.1497	.0239	-.1337	-.9326	1.0958	-.0979	.0004	-.1358											
10.68	10.68	24.00	1.0962	.0949	.1463	.0238	-.1345	-.9325	1.0960	-.0969	.0001	-.1365											
10.58	10.58	30.00	.9236	.0659	.1107	.0367	-.1159	-1.0729	.9212	-.0955	.0160	-.1205											
10.58	10.58	30.00	.9185	.0666	.1145	.0361	-.1167	-1.0705	.9161	-.0937	.0153	-.1212											
10.81	10.81	.00	1.3587	.2214	.2654	-.0011	-.0046	-.0051	1.3764	-.0179	-.0018	-.0044											
10.82	10.82	.00	1.3672	.2222	.2737	-.0005	-.0045	-.0046	1.3850	-.0186	-.0013	-.0043											

Table 2 (Continued)

Run No.	z	x	y	$\sigma_{x,y}$	$\sigma_{1,2}$	$\sigma_y$	$\sigma_x$	$\sigma_z$	$\sigma_1$
12.94	.00	1.6096	.3198	.0032	-.0038	-.0067	1.6409	-.0219	-.0044
12.94	.00	1.6107	.3209	.0025	-.0019	-.0030	1.6422	-.0210	-.0023
12.94	-6.00	1.6583	.3018	-.0011	.0402	.2348	1.6847	-.0496	.0395
12.93	-6.00	1.6513	.3013	-.0005	.0386	.2346	1.6779	-.0487	.0378
12.95	.00	1.6320	.2981	-.0033	-.0081	-.0073	1.6583	-.0477	-.0073
12.95	.00	1.6310	.2978	-.0035	-.0077	-.0089	1.6572	-.0478	-.0068
12.93	6.00	1.6180	.3147	.0022	-.0450	-.2309	1.6430	-.0286	-.0444
12.93	6.00	1.6169	.3158	.0020	-.0447	-.2299	1.6472	-.0272	-.0441
12.90	12.00	1.5647	.2711	.0172	-.0861	-.4826	1.5869	-.0601	-.0878
12.90	12.00	1.5637	.2708	.0168	-.0861	-.4809	1.5858	-.0602	-.0877
12.86	18.00	1.4509	.2202	.0377	-.1229	-.7338	1.4650	-.0863	-.1261
12.85	18.00	1.4461	.2209	.0360	-.1220	-.7294	1.4606	-.0836	-.1268
12.77	24.00	1.2830	.1536	.0337	-.1386	-.9856	1.2869	-.1163	-.1425
12.76	24.00	1.2845	.1513	.0337	-.1376	-.9874	1.2879	-.1191	-.1415
12.65	30.00	1.0477	.1324	.0375	-.1101	-.1.0167	1.0523	-.0883	-.1155
12.65	30.00	1.0466	.1322	.0363	-.1134	-.1.0154	1.0512	-.0883	-.1185
12.94	.00	1.6011	.3204	.0020	-.0023	.0016	1.6327	-.0195	-.0027
12.94	.00	1.6006	.3207	.0022	-.0022	-.0046	1.6322	-.0191	-.0026



Table 2 (Continued)

$\lambda$	$\delta$	$\tau_1$	$\tau_2$	$\tau_m$	$\tau_{H,W}$	$\tau_{1,s}$	$\lambda_Y$	$\tau_N$	$C_1$	$\tau_3$	$\tau_2$
17.19	.00	2.0780	.4933	.1215	.0015	-.0031	-.0004	2.1335	-.0985	.0006	-.0034
17.19	.00	2.0935	.4965	.1217	.0011	-.0001	.0050	2.1492	-.0998	.0010	-.0004
17.15	-6.00	2.0701	.4590	.0333	-.0104	.0376	.2499	2.1164	-.1294	.0005	.0392
17.16	-6.00	2.0619	.4611	.0305	-.0102	.0374	.2474	2.1183	-.1306	.0005	.0368
17.19	.00	2.0760	.4929	.1130	.0013	-.0017	.0039	2.1335	-.0985	.0008	-.0020
17.16	.00	2.0583	.4929	.1064	.0018	-.0025	-.0004	2.1144	-.0935	.0011	-.0029
17.14	6.00	2.0471	.4688	.0233	.0006	-.0497	-.2365	2.0736	-.0861	-.0131	-.0479
17.14	6.00	2.0202	.4914	.0108	.0007	-.0494	-.2309	2.0774	-.0645	-.0129	-.0477
17.11	12.00	1.9546	.4215	-.0477	.0281	.0696	.4878	1.9951	-.1336	.0023	-.0939
17.11	12.00	1.9594	.4236	-.0426	.0283	-.0905	-.4854	2.0002	-.1329	.0023	-.0948
17.04	18.00	1.8064	.3037	-.0116	.0546	-.1212	.7392	1.8366	-.1483	.0193	-.1316
17.04	18.00	1.8064	.3019	-.0122	.0546	-.1217	.7392	1.8362	-.1500	.0190	-.1320
16.90	24.00	1.5307	.3156	.0290	.0569	-.1192	-.8678	1.5583	-.1186	.0219	-.1302
16.92	24.00	1.5605	.3150	.0268	.0573	-.1177	-.8668	1.5869	-.1273	.0226	-.1289
16.81	30.00	1.3457	.2746	.0402	.0404	-.1105	-.9395	1.3692	-.1070	.0084	-.1174
16.81	30.00	1.3596	.2738	.0299	.0382	-.1153	-.9446	1.3824	-.1115	.0050	-.1214
17.18	.00	2.0732	.4971	.1352	.0020	.0009	.0014	2.1299	-.0936	.0021	-.0001
17.17	.00	2.0572	.4976	.1269	.0027	-.0025	-.0004	2.1146	-.0887	.0020	-.0031

Table 2 (Continued)

Run No.	70	$\alpha$	$\beta$	$C_1$	$C_2$	$C_{1,2}$	$C_{1,3}$	$C_{1,4}$	$C_{1,5}$	$C_3$	$C_4$	$C_N$	$C_5$	$C_6$	$C_7$
21.24	.00	2.1809	.7004	-.1960	.0047	.0166	-.0083	2.2889	-.0878	.0101	.0139				
21.24	.00	2.1667	.7002	-.1945	.0043	.0199	-.0057	2.2773	-.0637	.0108	.0172				
21.25	-6.00	2.2445	.6824	-.2416	-.0061	.0521	.2378	2.3425	-.1265	.0121	.0510				
21.26	-6.00	2.2632	.6833	-.2400	-.0058	.0553	.2366	2.3604	-.1320	.0135	.0539				
21.24	.00	2.1703	.6958	-.1925	.0047	.0161	-.0035	2.2773	-.0684	.0099	.0136				
21.23	.00	2.1596	.6909	-.1915	.0026	.0195	-.0063	2.2656	-.0894	.0091	.0175				
21.26	6.00	2.2336	.6805	-.1020	.0093	-.0319	-.2349	2.3343	-.1170	-.0022	-.0331				
21.25	6.00	2.2160	.6844	-.1106	.0125	-.0320	-.2308	2.3164	-.1.48	.0008	-.0343				
21.23	12.00	2.1722	.6467	-.1600	.0290	-.0734	-.4484	2.2624	-.1353	.0021	-.0788				
21.23	12.00	2.1744	.6486	-.1613	.0276	-.0749	-.4471	2.2650	-.1342	.0003	-.0798				
21.12	18.00	1.9424	.5709	-.0608	.0511	-.0860	-.6877	2.0204	-.1278	.0179	-.1002				
21.12	18.00	1.9429	.5746	-.0589	.0537	-.0887	-.6805	2.0223	-.1244	.0201	-.1017				
20.99	24.00	1.6901	.4998	-.1376	.0448	-.0949	-.8091	1.7591	-.1084	.0096	-.1045				
20.99	24.00	1.6926	.4979	-.1414	.0437	-.0954	-.8099	1.7610	-.1111	.0084	-.1046				
20.89	30.00	1.5052	.4726	-.0910	.0294	-.1108	-.8381	1.5760	-.0707	-.0103	-.1142				
20.89	30.00	1.4892	.4780	-.0820	.0223	-.1131	-.8263	1.5628	-.0602	-.0177	-.1139				
21.25	.00	2.1932	.6966	-.2171	-.0005	.0098	-.0105	2.2992	-.0955	.0029	.0094				
21.24	.00	2.1783	.7011	-.2190	.0011	.0128	-.0020	2.2867	-.0862	.0054	.0116				

Table 2 (Continued)

Run No. 1

$\tau$	$\alpha$	$\beta$	$\gamma$	$\delta$	$\epsilon$	$\eta, w$	$\zeta, s$	$\gamma$	$\kappa$	$\sigma$	$\tau_n$	$\zeta_1$
25.29	.00	2.2593	.9485	-.3481	.0051	.0048	.0055	2.4497	-.0525	.0066	.0023	.0023
25.27	.00	2.2348	.9413	-.3372	.0067	.0049	.0034	2.4244	-.0491	.0081	.0018	.0018
25.25	-6.00	2.2509	.9545	-.3123	.0008	.0264	.1935	2.4445	-.0436	.0100	.0244	.0244
25.26	-6.00	2.2600	.9493	-.3146	.0027	.0264	.1950	2.4507	-.0520	.0132	.0230	.0230
25.27	.00	2.2268	.9592	-.3179	.0019	.0066	.0023	2.4244	-.0294	-.0009	.0068	.0068
25.27	.00	2.2273	.9611	-.3346	.0032	.0026	.0029	2.4257	-.0280	.0040	.0011	.0011
25.26	6.00	2.2336	.9656	-.3976	.0170	.0189	.1680	2.4332	-.0264	.0079	.0241	.0241
25.25	6.00	2.2213	.9638	-.3876	.0169	.0189	.1679	2.4212	-.0230	.0078	.0241	.0241
25.20	12.00	2.1173	.9078	-.3768	.0288	.0438	.3931	2.3034	-.0319	.0085	.0517	.0517
25.20	12.00	2.1216	.9095	-.3903	.0271	.0487	.3902	2.3080	-.0320	.0050	.0555	.0555
25.12	18.00	1.9445	.8389	-.3333	.0325	.0674	.5431	2.1176	-.0245	.0023	.0747	.0747
25.12	18.00	1.9392	.8412	-.3354	.0337	.0649	.5428	2.1136	-.0203	.0044	.0730	.0730
25.05	24.00	1.7920	.7633	-.2669	.0242	.0890	.6652	1.9475	-.0316	-.0141	.091	.091
25.03	24.00	1.7680	.7608	-.2686	.0223	.0906	.6595	1.9245	-.0241	.0165	.0918	.0918
24.89	30.00	1.4940	.6627	-.0994	.0048	.1189	.7095	1.6343	-.0023	-.0440	.1105	.1105
24.89	30.00	1.4892	.6598	-.1066	.0030	.1192	.7117	1.6288	-.0030	-.0457	.1101	.1101
25.27	.00	2.2343	.9450	-.3381	.0032	.0077	.0103	2.4254	-.0455	.0060	.0057	.0057
25.27	.00	2.2364	.9408	-.3337	.0054	.0046	.0039	2.4257	-.0501	.0067	.0020	.0020

Table 2 (Continued)

Run No. 72

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
29.21	.00	2.1132	1.2323	-.1292	.0122	-.0083	-.0030	2.4443	.0959	.0069	-.0131
29.19	.01	2.0903	1.2233	-.1230	.0130	-.0046	-.0169	2.4199	.0988	.0094	-.0101
29.20	-6.00	2.1603	1.1952	-.3297	.0023	.0046	.1671	2.4685	.0411	.0041	.0030
29.21	-6.00	2.1683	1.1904	-.3324	.0059	.0040	.1612	2.4733	.0331	.0070	.0007
29.23	.01	2.1628	1.2255	-.1930	.0074	-.0259	.0125	2.4849	.0667	-.0056	-.0263
29.24	.00	2.1724	1.2275	-.2014	.0084	-.0293	.0162	2.4944	.0639	-.0064	-.0298
29.22	6.00	2.1541	1.2056	-.2546	.0032	-.0551	-.1117	2.4679	.0532	-.0731	-.0501
29.21	6.00	2.1416	1.2066	-.2510	.0029	-.0550	-.1057	2.4905	.0616	-.0232	-.0499
29.18	12.00	2.0773	1.1590	-.2869	.0017	-.0832	-.2969	2.3782	.0481	-.0375	-.0742
29.17	12.00	2.0741	1.1573	-.2986	.0014	-.0805	-.3026	2.3746	.0481	-.0365	-.0717
29.11	18.00	1.9237	1.0753	-.2486	.0046	-.0963	-.4716	2.2033	.0463	-.0412	-.0872
29.11	18.00	1.9333	1.0714	-.2550	.0044	-.0980	-.4723	2.2123	.0428	-.0421	-.0886
29.05	24.00	1.8037	.9683	-.2295	.0027	-.1018	-.6057	2.0472	.0082	-.0454	-.0911
29.05	24.00	1.8069	.9701	-.2248	.0027	-.0993	-.6111	2.0506	.0082	-.0443	-.0889
28.90	30.00	1.5217	.8391	-.0236	-.0009	-.1084	-.6806	1.7375	.0265	-.0517	-.0953
28.90	30.00	1.5212	.8459	-.0228	.0018	-.1077	-.6803	1.7402	.0327	-.0490	-.0959
29.19	.00	2.0940	1.2245	-.1284	.0138	-.0065	-.0062	2.4238	.0981	.0092	-.0122
29.19	.00	2.0924	1.2181	-.1298	.0139	-.0046	-.0078	2.4193	.0932	.0101	-.0105



Table 2 (Continued)

Run No. 74	$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
	-8.43	.00	-.9195	.1291	.0614	.0036	.0016	.0077	-.9284	-.0002	.0034	.0020
	-8.43	.00	-.9205	.1290	.0613	.0032	.0021	.0066	-.9295	-.0004	.0028	.0025
	-4.14	.00	-.3891	.0723	.0624	.0063	-.0008	.0013	-.3932	.0450	.0063	-.0003
	-4.14	.00	-.3902	.0719	.0627	.0064	-.0016	-.0030	-.3943	.0446	.0064	-.0012
	.12	.00	.0984	.0642	.1080	.0062	.0001	.0045	.0984	.0642	.0062	.0001
	.13	.00	.0990	.0636	.1079	.0060	-.0008	.0034	.0990	.0635	.0060	-.0006
	4.40	.00	.6092	.0875	.1724	.0072	-.0007	.0002	.6136	.0448	.0071	-.0012
	4.40	.00	.6076	.0881	.1716	.0064	-.0006	.0018	.6122	.0455	.0063	-.0010
	6.70	.00	1.1593	.1479	.1875	.0052	-.0006	.0018	1.1685	-.0148	.0051	-.0013
	6.70	.00	1.1587	.1475	.1864	.0055	-.0008	.0050	1.1679	-.0152	.0053	-.0015
	13.00	.00	1.7062	.2517	.1962	.0042	-.0021	.0029	1.7212	-.1086	.0037	-.0029
	12.99	.00	1.7042	.2511	.1945	.0035	-.0003	.0039	1.7190	-.1087	.0034	-.0010
	17.24	.00	2.1697	.4620	.0274	.0015	.0012	.0050	2.2130	-.1539	.0018	-.0008
	17.19	.00	2.0844	.4711	.0260	.0115	.0025	.0029	2.1335	-.1217	.0117	-.0008
	21.27	.00	2.2380	.7106	-.2759	.0063	.0177	-.0057	2.3460	-.0977	.0119	-.0144
	21.27	.00	2.2392	.7097	-.2755	.0051	.0159	-.0041	2.3467	-.0986	.0102	.0132
	25.37	.00	2.4182	.9291	-.4136	.0050	.0113	-.0105	2.5870	-.1349	.0091	.0083
	25.37	.00	2.4119	.9280	-.4079	.0042	.0133	-.0067	2.5808	-.1332	.0092	.0105
	29.29	.00	2.2727	1.1679	-.4719	.0197	-.0055	-.0321	2.5549	-.0357	.0146	-.0140
	29.29	.00	2.2743	1.1725	-.4761	.0181	-.0053	-.0537	2.5565	-.0324	.0135	-.0131

Table 2 (Continued)

Run No. 75

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
.14	-6.00	.1714	.0636	.0726	.0034	.0303	.2787	.1714	.0635	.0034	.0303
.13	-6.00	.1693	.0625	.0740	.0033	.0297	.2786	.1693	.0625	.0033	.0297
.12	.00	.0984	.0657	.1125	.0061	-.0006	.0077	.0984	.0657	.0061	-.0006
.12	.00	.0956	.0642	.1124	.0061	.0000	.0066	.0956	.0642	.0061	.0000
.13	6.00	.1332	.0644	.0929	.0085	-.0278	-.2850	.1332	.0644	.0085	-.0278
.13	6.00	.1311	.0642	.0949	.0087	-.0274	-.2687	.1311	.0642	.0087	-.0273
.15	12.00	.1814	.0166	.0075	.0168	-.0542	-.5439	.1814	.0166	.0168	-.0542
.15	12.00	.1756	.0180	.0063	.0158	-.0538	-.5421	.1755	.0180	.0157	-.0538
.15	18.00	.1495	-.0587	.0074	.0203	-.0741	-.8035	.1494	-.0587	.0203	-.0741
.15	18.00	.1500	-.0584	.0041	.0172	-.0729	-.8031	.1500	-.0584	.0172	-.0729
.15	24.00	.1387	-.0980	.0147	.0129	-.0848	-1.0174	.1386	-.0980	.0129	-.0848
.16	24.00	.1429	-.1019	.0078	.0134	-.0847	-1.0221	.1429	-.1019	.0134	-.0847
.17	30.00	.1509	-.1859	-.0333	.0126	-.0866	-1.2052	.1509	-.1859	.0126	-.0866
.17	30.00	.1578	-.1861	-.0379	.0136	-.0879	-1.2093	.1578	-.1861	.0136	-.0879

Table 2 (Continued)

Run No.	$\lambda$	$\rho$	$G_2$	$D'$	$G_m$	$G_{u,w}$	$T_{l,s}$	$\alpha_Y$	$\alpha_N$	$\alpha$	$\alpha_n$	$G_l$
-8.39	-8.39	.00	-.8491	.1160	.4219	.0009	.0023	.0023	-.8569	-.0034	.0006	.0024
-8.39	-8.39	.00	-.8448	.1160	.4221	.0010	.0018	.0007	-.8527	-.0027	.0007	.0019
-4.18	-4.18	.00	-.4585	.0574	.1015	.0037	-.0015	-.0046	-.4613	.0253	.0038	-.0012
-4.18	-4.18	.00	-.4563	.0566	.0985	.0034	-.0015	-.0062	-.4592	.0248	.0035	-.0012
.03	.03	.00	-.0679	.0424	-.2237	.0034	-.0002	-.0041	-.0679	.0424	.0034	-.0002
.03	.03	.00	-.0674	.0414	-.2278	.0035	-.0004	-.0057	-.0674	.0414	.0035	-.0004
4.26	4.26	.00	.3505	.0506	-.5970	.0040	.0003	-.0067	.3532	.0260	.0040	-.0000
4.26	4.26	.00	.3532	.0508	-.6011	.0041	-.0005	-.0069	.3558	.0260	.0040	-.0007
8.50	8.50	.00	.7774	.0847	-.9797	.0037	-.0002	-.0041	.7816	-.0243	.0037	-.0006
8.50	8.50	.00	.7785	.0850	-.9835	.0036	-.0004	-.0067	.7827	-.0242	.0037	-.0009
12.66	12.66	.00	1.0982	.1688	-.1.2574	.0025	-.0056	.0023	1.1093	.0632	.0013	-.0060
12.66	12.66	.00	1.1006	.1692	-.1.2718	.0024	-.0058	.0034	1.1119	-.0633	.0012	-.0062
16.75	16.75	.00	1.2775	.2902	-.1.4186	.0033	.0008	.0050	1.3080	-.0732	.0033	-.0002
16.75	16.75	.00	1.2759	.2900	-.1.4151	.0027	-.0007	.0050	1.3063	-.0729	.0024	-.0014
20.83	20.83	.00	1.4236	.4890	-.1.5780	.0062	.0136	-.0025	1.5050	-.0274	.0104	.0107
20.84	20.84	.00	1.4375	.4876	-.1.5733	.0061	.0109	-.0051	1.5176	-.0333	.0094	.0081
24.88	24.88	.00	1.5223	.6463	-.1.6770	.0083	.0076	-.0041	1.6535	-.0287	.0107	.0036
24.88	24.88	.00	1.5239	.6443	-.1.6801	.0087	.0092	-.0004	1.6541	-.0312	.0117	.0049
30.93	30.93	.00	1.6055	.8131	-.1.7489	.0016	.0032	-.0162	1.7969	-.0986	.0030	.0020
30.52	30.52	.00	1.5932	.8126	-.1.7472	.0025	.0033	.0092	1.7860	-.0929	.0038	.0016



Table 2 (Continued)

$\beta$	$\alpha_L$	$\alpha_{L,0}$	$\alpha_m$	$\alpha_{m,0}$	$\alpha_{1,0}$	$\alpha$	$\beta_0$	$\beta$
0.05	-0.06	-0.0156	-0.0652	-0.0258	-0.0193	0.2010	-0.0156	0.052
0.05	-0.00	-0.0141	-0.061	-0.0242	-0.0174	0.203	-0.0141	0.0461
0.03	-0.03	-0.0669	-0.0418	-0.0059	-0.0023	-0.0025	-0.0669	0.0417
0.03	-0.00	-0.0669	-0.0400	-0.0038	-0.0001	-0.0046	-0.0669	0.0400
0.05	0.00	-0.0172	-0.0468	-0.0318	-0.0157	0.205	-0.0172	0.0466
0.05	0.00	-0.0145	-0.0455	-0.0318	-0.0162	0.2052	-0.0145	0.0455
0.07	0.00	-0.0342	-0.0094	-0.0657	-0.0344	0.4261	-0.0342	0.0094
0.07	0.00	-0.0364	-0.0116	-0.0659	-0.0340	0.4232	-0.0363	0.0116
0.08	0.00	-0.0231	-0.0414	-0.0947	-0.0494	0.6402	-0.0230	0.0414
0.08	0.00	-0.0209	-0.0420	-0.0951	-0.0487	0.6338	-0.0209	0.0487
0.07	0.00	-0.0080	-0.0897	-0.1100	-0.0595	0.8015	-0.0080	0.0897
0.08	0.00	-0.0048	-0.0887	-0.1101	-0.0598	0.8013	-0.0048	0.0887
0.08	0.00	-0.0107	-0.1338	-0.1152	-0.0733	0.9496	-0.0107	0.1338
0.07	0.00	-0.0155	-0.1342	-0.1166	-0.0733	0.9481	-0.0155	0.1342



Table 2 (Continued)

Run No. 78 (Cont.)

	$\beta$	$C_L$	$\beta_D^*$	$\gamma_m$	$C_{n,w}$	$\alpha_{L,s}$	$\alpha_{\gamma}$	$C_H$	$\beta$	$\beta_n$	$C_z$
20.81	-6.00	1.4472	.4845	-1.5542	-.0154	.0149	.1796	1.5256	-.0397	-.0094	.0192
20.81	-6.00	1.4472	.4854	-1.5464	-.0156	.0190	.1738	1.5259	-.0388	-.0082	.0231
22.85	-6.00	1.5213	.5520	-1.6086	-.0161	.0151	.1716	1.6173	-.0561	-.0092	.0200
22.85	-6.00	1.5096	.5495	-1.6244	-.0141	.0169	.1752	1.6055	-.0561	-.0067	.0209
24.87	-6.00	1.5475	.6354	-1.6581	-.0115	.0187	.1756	1.6721	-.0489	-.0029	.0217
24.86	-6.00	1.5437	.6330	-1.6493	-.0115	.0155	.1746	1.6677	-.0497	-.0042	.0188
26.88	-6.00	1.5805	.7039	-1.6987	-.0127	.0177	.1724	1.7291	-.0602	-.0036	.0214
26.89	-6.00	1.5827	.7020	-1.6974	-.0094	.0193	.1711	1.7302	-.0629	-.0000	.0215
28.90	-6.00	1.6152	.7874	-1.7340	-.0140	.0186	.1628	1.7958	-.0630	-.0036	.0230
28.90	-6.00	1.6115	.7824	-1.7215	-.0119	.0185	.1623	1.7901	-.0657	-.0016	.0219
30.87	-6.00	1.5555	.8520	-1.6439	-.0135	.0353	.1404	1.7730	-.0399	-.0059	.0373
30.87	-6.00	1.5587	.8536	-1.6385	-.0149	.0358	.1389	1.7766	-.0401	.0050	.0385

Table 2 (Continued)

Run No. 73	$\alpha$	F	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{x,s}$	$C_y$	$C_N$	$C_A$	$C_z$	$C_l$
-8.47	.00	.00	.081	.1351	.1275	.0021	.0037	.0157	-.9355	-.0024	.0016	.0033
-8.46	.00	.00	.082	.1367	.1219	.0021	.0032	.0157	-.9324	-.0014	.0016	.0034
-4.17	.00	.00	.0451	.0726	1.3038	.0051	-.0004	.0045	-.4421	.0414	.0051	-.0001
-4.17	.00	.00	.0430	.0723	1.3036	.0052	-.0001	.0066	-.4470	.0413	.0052	.0003
.00	.00	.00	.0387	.0641	.0737	.0059	-.0002	.0018	.0387	.0541	.0053	-.0002
.00	.00	.00	.0387	.0543	.0775	.0053	.0006	.0055	.0387	.0543	.0055	.0005
4.38	.00	.00	.0536	.0771	.0587	.0067	-.0004	.0023	.5336	.0326	.0067	-.0003
4.38	.00	.00	.0574	.0784	.0513	.0065	-.0004	.0023	.5316	.0313	.0064	-.0003
8.66	.00	.00	1.1113	.1372	-.0081	.0056	.0002	.0001	1.1135	-.0133	.0055	-.0006
8.68	.00	.00	1.1118	.1376	-.0073	.0054	.0003	.0001	1.1201	-.0135	.0054	-.0005
12.36	.00	.00	1.6507	.2274	-.1355	.0037	-.0007	.0002	1.6419	-.1208	.0035	-.0014
12.36	.00	.00	1.6507	.2274	-.1355	.0037	-.0007	.0002	1.6419	-.1208	.0035	-.0014
17.13	.00	.00	1.724	.4435	-.218	.0031	-.0004	.0004	2.0182	-.1113	.0030	-.0011
17.13	.00	.00	1.735	.4447	-.206	.0034	-.0004	.0003	2.0145	-.1115	-.0077	-.0012
21.18	.00	.00	2.0593	.6793	-.5541	.0065	-.0004	.0003	2.1033	-.0744	.0066	-.0034
21.18	.00	.00	2.0603	.6713	-.5457	.0073	.0114	.0066	2.1712	-.0753	.0111	.0039
25.18	.00	.00	2.0727	.837	-.5712	.0113	.0112	.0077	2.2544	-.0611	.0114	.0078
25.18	.00	.00	2.0743	.844	-.5777	.0098	.0133	.0061	2.2628	-.0615	.0157	.0076
25.22	.00	.00	2.135	1.1134	-.5711	.0041	.0163	.0011	2.4083	-.0614	.0063	.0042
25.22	.00	.00	2.135	1.1135	1.1174	.0042	.0063	.0097	2.4074	-.0610	.0063	.0041
.10	.00	.00	.0451	.0603	.0775	.0053	.0005	.0071	.0451	.0003	.0053	.0005
.00	.00	.00	.0424	.0603	.0713	.0057	.0005	.0002	.0424	.0003	.0057	.0005

Table 2 (Continued)

Run No. 9)

$\tau$	$\tau_L$	$\tau_D$	$\tau_m$	$\tau_{u,v}$	$\tau_{l,s}$	$\tau_y$	$\tau_z$	$\tau_A$	$\tau_n$	$\tau_i$
.11	-6.00	.1208	.0363	.0059	.0287	.2720	.1208	.0599	.0059	.0287
.11	-6.00	.1186	.0366	.0057	.0282	.2698	.1186	.0601	.0057	.0282
.09	.00	.0419	.0776	.0060	.0002	.0018	.0419	.0603	.0060	.0002
.09	.00	.0430	.0761	.0062	.0006	.0050	.0430	.0600	.0062	.0005
.11	6.00	.0943	.0390	.0078	-.0250	-.2614	.0942	.0607	.0078	-.0250
.1	6.00	.0916	.0354	.0075	-.0251	-.2641	.0916	.0608	.0075	-.0251
.13	12.00	.1334	-.0475	.0116	-.0504	-.5422	.1334	.0157	.0116	-.0504
.12	12.00	.1302	-.0504	.0120	-.0506	-.5443	.1302	.0150	.0120	-.0506
.13	18.00	.1041	-.0617	.0125	-.0679	-.8001	.1041	-.0627	.0125	-.0679
.13	18.00	.1020	-.0573	.0122	-.0674	-.8002	.1020	-.0608	.0121	-.0674
.13	24.00	.0960	-.0497	.0059	-.0810	-1.0351	.0960	-.1374	.0059	-.0810
.13	24.00	.0955	-.0474	.0057	-.0805	-1.0292	.0955	-.1361	.0057	-.0805
.15	30.00	.1280	-.1223	.0194	-.0852	-1.2204	.1280	-.1960	.0194	-.0852
.15	30.00	.1264	-.1252	.0178	-.0868	-1.2222	.1263	-.1950	.0178	-.0868

Table 2 (Continued)

Run No. 31

-10.57	-6.00	-1.1226	.1678	.0560	.0003	.0204	.3996	-1.1381	-.0100	-.0033	.0201
-10.57	-6.00	-1.1258	.1855	.0600	-.0001	.0203	.3026	-1.1408	-.0128	-.0036	.0200
-8.45	-6.00	-.9062	.1287	.0736	-.0010	.0201	.3097	-.9152	.0013	-.0038	.0196
-8.45	-6.00	-.9062	.1318	.0680	-.0031	.0198	.3068	-.9157	.0044	-.0058	.0192
-8.46	-6.00	-.9120	.1304	.0718	-.0025	.0207	.3120	-.9213	.0022	-.0053	.0201
-8.46	-6.00	-.9120	.1322	.0707	-.0025	.0210	.3084	-.9215	.0040	-.0054	.0204
-4.17	-6.00	-.3891	.0709	.0428	.0029	.0226	.2842	-.3930	.0436	.0014	.0227
-4.17	-6.00	-.3901	.0700	.0435	.0025	.0230	.2830	-.3940	.0426	.0009	.0231
.10	-6.00	.1138	.0603	.0343	.0052	.0273	.2715	.1138	.0603	.0052	.0273
.10	-6.00	.1106	.0598	.0338	.0053	.0279	.2725	.1106	.0598	.0053	.0279
4.38	-6.00	.6189	.0819	.0208	.0094	.0313	.2523	.6231	.0385	.0115	.0305
4.38	-6.00	.6179	.0807	.0200	.0096	.0313	.2538	.6219	.0374	.0117	.0306
8.68	-6.00	1.1638	.1388	-.0424	.0101	.0353	.2468	1.1717	-.0245	.0149	.0335
8.67	-6.00	1.1595	.1375	-.0436	.0099	.0353	.2492	1.1673	-.0252	.0147	.0336
12.94	-6.00	1.6636	.2599	-.1417	.0003	.0336	.2545	1.6812	-.0916	.0073	.0328
12.94	-6.00	1.6647	.2593	-.1460	.0004	.0339	.2528	1.6822	-.0925	.0074	.0331
15.06	-6.00	1.9016	.3231	-.2400	-.0041	.0311	.2649	1.9232	-.1465	.0038	.0323
15.09	-6.00	1.9011	.3228	-.2357	-.0045	.0311	.2654	1.9226	-.1468	.0031	.0312
17.06	-6.00	1.9645	.4300	-.4316	-.0086	.0266	.2767	2.0069	-.1281	-.0009	.0280
17.09	-6.00	1.9688	.4286	-.4100	-.0085	.0270	.2749	2.0107	-.1307	-.0007	.0283
17.10	-6.00	2.0771	.551	-.5184	.0062	.0296	.2536	2.1457	-.1177	.0150	.0265
19.16	-6.00	2.0781	.5502	-.5083	.0044	.0305	.2562	2.1464	-.1189	.0136	.0277
19.16	-6.00	2.0899	.6504	-.5882	.0076	.0360	.2422	2.1662	-.1036	.0196	.0311
21.15	-6.00	2.0717	.6494	-.5694	.0114	.0370	.2412	2.1659	-.0983	.0233	.0306
21.15	-6.00	2.0717	.7536	-.6470	.0074	.0338	.2320	2.2326	-.0893	.0195	.0286
23.17	-6.00	2.1037	.7577	-.6420	.0086	.0340	.2301	2.2472	-.0907	.0207	.0283
23.16	-6.00	2.0915	.851	-.7365	.0171	.0356	.1801	2.2625	-.0604	.0301	.0296
25.16	-6.00	2.0661	.8616	-.6450	.0164	.0368	.1831	2.2543	-.0612	.0300	.0299
27.16	-6.00	2.1251	.9650	-.5517	.0207	.0420	.1753	2.3419	-.0462	.0370	.0257

Table 2 (Continued)

Run No. 81 (Cont.)

	$\bar{a}$	$\bar{b}$	$\bar{c}$	$\bar{d}$	$\bar{e}$	$\bar{f}$	$\bar{g}$	$\bar{h}$	$\bar{i}$	$\bar{j}$	$\bar{k}$	$\bar{l}$	$\bar{m}$	$\bar{n}$	$\bar{o}$	$\bar{p}$	$\bar{q}$	$\bar{r}$	$\bar{s}$	$\bar{t}$	$\bar{u}$	$\bar{v}$	$\bar{w}$	$\bar{x}$	$\bar{y}$	$\bar{z}$
27.10	-6.00	2.1304	.9827	-.6447	.0205	.0370	.1702	2.3456	-.0507	.0346	.0243															
29.20	-6.00	2.1581	1.1104	-.6402	.0168	.0416	.1757	2.4263	-.0327	.0344	.0259															
29.20	-6.00	2.1527	1.1080	-.6440	.0160	.0411	.1648	2.4271	-.0354	.0352	.0270															
31.14	-6.00	2.0472	.8277	-.5555	.0227	.0767	.1258	2.3772	.0220	.0500	.0551															
31.14	-6.00	2.0355	1.2000	-.5705	.0237	.0744	.1250	2.3658	.0247	.0577	.0522															

Table 2 (Continued)

$\lambda$	$\delta$	$\alpha_2$	$\alpha_1$	$\alpha_0$	$\beta_0$	$\beta_1$	$\beta_2$	$\gamma_0$	$\gamma_1$	$\gamma_2$	$\delta_0$	$\delta_1$	$\delta_2$	$\epsilon_0$	$\epsilon_1$	$\epsilon_2$
-10.52	.00	-1.0941	.1620	.3634	.0043	.0032	.0049	.0049	.0049	.0049	.0049	.0049	.0049	.0045	.0045	.0045
-10.52	.00	-1.1632	.1632	.3643	.0043	.0042	.0103	.0103	.0103	.0103	.0107	.0092	.0092	.0054	.0054	.0052
-6.39	.00	-1.3620	.1360	.3604	.0041	.0037	.0087	.0087	.0087	.0087	.0102	.0102	.0037	.0035	.0035	.0035
-5.39	.00	-1.5549	.1360	.3901	.0045	.0027	.0062	.0062	.0062	.0062	.0057	.0055	.0042	.0030	.0030	.0030
-4.10	.00	-1.3092	.0812	.4010	.0061	.0004	.0064	.0064	.0064	.0064	.0594	.0594	.0003	.0003	.0003	.0003
-4.10	.00	-1.3145	.0812	.4020	.0060	.0004	.0064	.0064	.0064	.0064	.0594	.0594	.0003	.0003	.0003	.0003
.20	.00	-1.2367	.0781	.4365	.0061	.0001	.0067	.0067	.0067	.0067	.0712	.0712	.0001	.0001	.0001	.0001
.20	.00	-1.2367	.0783	.4395	.0060	.0007	.0067	.0067	.0067	.0067	.0763	.0763	.0007	.0007	.0007	.0007
4.48	.00	-1.7348	.1124	.5108	.0072	.0000	.0066	.0066	.0066	.0066	.0595	.0595	.0002	.0002	.0002	.0002
4.49	.00	-1.7575	.1126	.5127	.0072	.0004	.0067	.0067	.0067	.0067	.0597	.0597	.0009	.0009	.0009	.0009
6.77	.00	-1.2867	.1786	.5446	.0067	.0007	.0077	.0077	.0077	.0077	.0020	.0020	.0065	.0016	.0016	.0016
8.77	.00	-1.2863	.1785	.5444	.0063	.0001	.0066	.0066	.0066	.0066	.0020	.0020	.0062	.0015	.0015	.0015
12.99	.00	-1.6923	.3519	.3692	.0044	.0025	.0061	.0061	.0061	.0061	.0077	.0077	.0045	.0002	.0002	.0002
12.98	.00	-1.6859	.3466	.3626	.0043	.0011	.0071	.0071	.0071	.0071	.0096	.0096	.0044	.0002	.0002	.0002
15.06	.00	-1.8503	.4285	.1616	.0046	.0001	.0055	.0055	.0055	.0055	.0318	.0318	.0044	.0006	.0006	.0006
15.06	.00	-1.8481	.4271	.1503	.0050	.0004	.0092	.0092	.0092	.0092	.0327	.0327	.0049	.0006	.0006	.0006
17.14	.00	-1.9863	.5272	.0601	.0063	.0003	.0173	.0173	.0173	.0173	.0407	.0407	.0050	.0050	.0050	.0050
19.20	.00	-1.9825	.5335	.0616	.0063	.0003	.0109	.0109	.0109	.0109	.0336	.0336	.0079	.0079	.0079	.0079
19.20	.00	-2.1009	.6599	.0051	.0004	.0080	.0071	.0071	.0071	.0071	.0216	.0216	.0028	.0028	.0028	.0028
19.19	.00	-2.0791	.6609	.0011	.0013	.0084	.0077	.0077	.0077	.0077	.0139	.0139	.0038	.0038	.0038	.0038
21.27	.00	-2.2289	.7586	.1141	.0008	.0076	.0125	.0125	.0125	.0125	.0495	.0495	.0018	.0018	.0018	.0018
21.27	.00	-2.2284	.7597	.1054	.0007	.0142	.0106	.0106	.0106	.0106	.0483	.0483	.0054	.0131	.0131	.0131
23.24	.00	-2.1724	.8771	.1114	.0005	.0038	.0204	.0204	.0204	.0204	.0006	.0006	.0002	.0002	.0002	.0002
23.24	.00	-2.1799	.8833	.1121	.0010	.0007	.0199	.0199	.0199	.0199	.0024	.0024	.0012	.0012	.0012	.0012
25.23	.00	-2.1500	1.0209	.3666	.0145	.0033	.0095	.0095	.0095	.0095	.0582	.0582	.0145	.0029	.0029	.0029
25.22	.00	-2.1473	1.0201	.3713	.0129	.0045	.0130	.0130	.0130	.0130	.0585	.0585	.0130	.0012	.0012	.0012
27.25	.00	-2.1980	1.1654	.4740	.0090	.0010	.0066	.0066	.0066	.0066	.0639	.0639	.0085	.0030	.0030	.0030
27.25	.00	-2.1863	1.1711	.4666	.0085	.0039	.0092	.0092	.0092	.0092	.0942	.0942	.0093	.0002	.0002	.0002
29.26	.00	-2.2156	1.2962	.4979	.0060	.0044	.0023	.0023	.0023	.0023	.1043	.1043	.0073	.0010	.0010	.0010
29.26	.00	-2.2188	1.2776	.4993	.0141	.0123	.0045	.0045	.0045	.0045	.0864	.0864	.0182	.0042	.0042	.0042
31.23	.00	-2.1527	1.3889	.4350	.0106	.0399	.0041	.0041	.0041	.0041	.1213	.1213	.0273	.0256	.0256	.0256
31.23	.00	-2.1527	1.3848	.4327	.0127	.0351	.0014	.0014	.0014	.0014	.1246	.1246	.0285	.0240	.0240	.0240





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$\lambda$	$\tau$	$\tau_1$	$\tau_2$	$\tau_3$	$\tau_4$	$\tau_5$	$\tau_6$	$\tau_7$	$\tau_8$	$\tau_9$	$\tau_{10}$	$\tau_{11}$	$\tau_{12}$	$\tau_{13}$	$\tau_{14}$	$\tau_{15}$	$\tau_{16}$	$\tau_{17}$	$\tau_{18}$	$\tau_{19}$	$\tau_{20}$	$\tau_{21}$	$\tau_{22}$	$\tau_{23}$	$\tau_{24}$	$\tau_{25}$	$\tau_{26}$	$\tau_{27}$	$\tau_{28}$	$\tau_{29}$	$\tau_{30}$	$\tau_{31}$	$\tau_{32}$	$\tau_{33}$	$\tau_{34}$	$\tau_{35}$	$\tau_{36}$	$\tau_{37}$	$\tau_{38}$	$\tau_{39}$	$\tau_{40}$	$\tau_{41}$	$\tau_{42}$	$\tau_{43}$	$\tau_{44}$	$\tau_{45}$	$\tau_{46}$	$\tau_{47}$	$\tau_{48}$	$\tau_{49}$	$\tau_{50}$	$\tau_{51}$	$\tau_{52}$	$\tau_{53}$	$\tau_{54}$	$\tau_{55}$	$\tau_{56}$	$\tau_{57}$	$\tau_{58}$	$\tau_{59}$	$\tau_{60}$	$\tau_{61}$	$\tau_{62}$	$\tau_{63}$	$\tau_{64}$	$\tau_{65}$	$\tau_{66}$	$\tau_{67}$	$\tau_{68}$	$\tau_{69}$	$\tau_{70}$	$\tau_{71}$	$\tau_{72}$	$\tau_{73}$	$\tau_{74}$	$\tau_{75}$	$\tau_{76}$	$\tau_{77}$	$\tau_{78}$	$\tau_{79}$	$\tau_{80}$	$\tau_{81}$	$\tau_{82}$	$\tau_{83}$	$\tau_{84}$	$\tau_{85}$	$\tau_{86}$	$\tau_{87}$	$\tau_{88}$	$\tau_{89}$	$\tau_{90}$	$\tau_{91}$	$\tau_{92}$	$\tau_{93}$	$\tau_{94}$	$\tau_{95}$	$\tau_{96}$	$\tau_{97}$	$\tau_{98}$	$\tau_{99}$	$\tau_{100}$	$\tau_{101}$	$\tau_{102}$	$\tau_{103}$	$\tau_{104}$	$\tau_{105}$	$\tau_{106}$	$\tau_{107}$	$\tau_{108}$	$\tau_{109}$	$\tau_{110}$	$\tau_{111}$	$\tau_{112}$	$\tau_{113}$	$\tau_{114}$	$\tau_{115}$	$\tau_{116}$	$\tau_{117}$	$\tau_{118}$	$\tau_{119}$	$\tau_{120}$	$\tau_{121}$	$\tau_{122}$	$\tau_{123}$	$\tau_{124}$	$\tau_{125}$	$\tau_{126}$	$\tau_{127}$	$\tau_{128}$	$\tau_{129}$	$\tau_{130}$	$\tau_{131}$	$\tau_{132}$	$\tau_{133}$	$\tau_{134}$	$\tau_{135}$	$\tau_{136}$	$\tau_{137}$	$\tau_{138}$	$\tau_{139}$	$\tau_{140}$	$\tau_{141}$	$\tau_{142}$	$\tau_{143}$	$\tau_{144}$	$\tau_{145}$	$\tau_{146}$	$\tau_{147}$	$\tau_{148}$	$\tau_{149}$	$\tau_{150}$	$\tau_{151}$	$\tau_{152}$	$\tau_{153}$	$\tau_{154}$	$\tau_{155}$	$\tau_{156}$	$\tau_{157}$	$\tau_{158}$	$\tau_{159}$	$\tau_{160}$	$\tau_{161}$	$\tau_{162}$	$\tau_{163}$	$\tau_{164}$	$\tau_{165}$	$\tau_{166}$	$\tau_{167}$	$\tau_{168}$	$\tau_{169}$	$\tau_{170}$	$\tau_{171}$	$\tau_{172}$	$\tau_{173}$	$\tau_{174}$	$\tau_{175}$	$\tau_{176}$	$\tau_{177}$	$\tau_{178}$	$\tau_{179}$	$\tau_{180}$	$\tau_{181}$	$\tau_{182}$	$\tau_{183}$	$\tau_{184}$	$\tau_{185}$	$\tau_{186}$	$\tau_{187}$	$\tau_{188}$	$\tau_{189}$	$\tau_{190}$	$\tau_{191}$	$\tau_{192}$	$\tau_{193}$	$\tau_{194}$	$\tau_{195}$	$\tau_{196}$	$\tau_{197}$	$\tau_{198}$	$\tau_{199}$	$\tau_{200}$	$\tau_{201}$	$\tau_{202}$	$\tau_{203}$	$\tau_{204}$	$\tau_{205}$	$\tau_{206}$	$\tau_{207}$	$\tau_{208}$	$\tau_{209}$	$\tau_{210}$	$\tau_{211}$	$\tau_{212}$	$\tau_{213}$	$\tau_{214}$	$\tau_{215}$	$\tau_{216}$	$\tau_{217}$	$\tau_{218}$	$\tau_{219}$	$\tau_{220}$	$\tau_{221}$	$\tau_{222}$	$\tau_{223}$	$\tau_{224}$	$\tau_{225}$	$\tau_{226}$	$\tau_{227}$	$\tau_{228}$	$\tau_{229}$	$\tau_{230}$	$\tau_{231}$	$\tau_{232}$	$\tau_{233}$	$\tau_{234}$	$\tau_{235}$	$\tau_{236}$	$\tau_{237}$	$\tau_{238}$	$\tau_{239}$	$\tau_{240}$	$\tau_{241}$	$\tau_{242}$	$\tau_{243}$	$\tau_{244}$	$\tau_{245}$	$\tau_{246}$	$\tau_{247}$	$\tau_{248}$	$\tau_{249}$	$\tau_{250}$	$\tau_{251}$	$\tau_{252}$	$\tau_{253}$	$\tau_{254}$	$\tau_{255}$	$\tau_{256}$	$\tau_{257}$	$\tau_{258}$	$\tau_{259}$	$\tau_{260}$	$\tau_{261}$	$\tau_{262}$	$\tau_{263}$	$\tau_{264}$	$\tau_{265}$	$\tau_{266}$	$\tau_{267}$	$\tau_{268}$	$\tau_{269}$	$\tau_{270}$	$\tau_{271}$	$\tau_{272}$	$\tau_{273}$	$\tau_{274}$	$\tau_{275}$	$\tau_{276}$	$\tau_{277}$	$\tau_{278}$	$\tau_{279}$	$\tau_{280}$	$\tau_{281}$	$\tau_{282}$	$\tau_{283}$	$\tau_{284}$	$\tau_{285}$	$\tau_{286}$	$\tau_{287}$	$\tau_{288}$	$\tau_{289}$	$\tau_{290}$	$\tau_{291}$	$\tau_{292}$	$\tau_{293}$	$\tau_{294}$	$\tau_{295}$	$\tau_{296}$	$\tau_{297}$	$\tau_{298}$
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Table 2 (Continued)

$\gamma$	$\beta$	$\gamma_D$	$\gamma_m$	$\gamma_{n,w}$	$\gamma_{l,s}$	$\gamma_y$	$\gamma_w$	$\gamma_i$	$\gamma_n$	$\gamma_l$
.21	-6.00	.3000	.4055	.0027	.0349	.2874	.3000	.0758	.0027	.0349
.20	-6.00	.2976	.4096	.0024	.0319	.2842	.2976	.0766	.0024	.0319
.21	-3.00	.2767	.4250	.0051	.0176	.1456	.2766	.0637	.0051	.0175
.21	-3.00	.2745	.4254	.0037	.0174	.1433	.2745	.0819	.0037	.0174
.20	.00	.2424	.4318	.0058	.0006	.0071	.2424	.0785	.0058	.0006
.20	.00	.2424	.4295	.0052	.0002	.0055	.2424	.0790	.0052	.0002
.20	3.00	.2541	.4297	.0068	.0176	.1333	.2541	.0641	.0067	.0176
.20	3.00	.2520	.4314	.0078	.0171	.1296	.2520	.0861	.0078	.0171
.20	6.00	.2601	.4216	.0103	.0332	.2706	.2601	.0783	.0103	.0332
.20	6.00	.2633	.4202	.0107	.0342	.2753	.2632	.0774	.0107	.0342
.20	9.00	.2827	.3894	.0150	.0504	.4132	.2827	.0590	.0150	.0504
.20	9.00	.2865	.3811	.0148	.0499	.4107	.2865	.0601	.0148	.0496
.21	12.00	.2886	.3400	.0191	.0659	.5533	.2886	.0284	.0191	.0659
.21	12.00	.2886	.3375	.0189	.0653	.5518	.2886	.0267	.0189	.0653
.22	15.00	.2842	.2970	.0225	.0818	.6936	.2842	.0204	.0225	.0818
.22	15.00	.2842	.2963	.0222	.0821	.6906	.2842	.0199	.0222	.0821
.21	18.00	.2561	.3172	.0248	.0931	.8176	.2561	.0502	.0248	.0931
.21	18.00	.2556	.3147	.0243	.0928	.8198	.2556	.0504	.0243	.0928
.20	21.00	.2233	.3266	.0209	.0965	.9282	.2233	.0582	.0209	.0984
.20	21.00	.2165	.3255	.0205	.0975	.9283	.2165	.0582	.0205	.0974
.20	24.00	.2251	.3155	.0225	.1066	.1.0382	.2251	.0975	.0225	.1066
.20	24.00	.2187	.3166	.0210	.1072	.1.0355	.2187	.0975	.0210	.1071
.19	30.00	.1871	.2791	.0288	.1056	.1.2243	.1871	.1407	.0288	.1056
.19	30.00	.1893	.2845	.0266	.1076	.1.2269	.1893	.1404	.0266	.1076

Table 2 (Continued)

Run No.	$\alpha$	$\beta$	$\sigma_z$	$\sigma_D$	$\sigma_m$	$\sigma_{n,w}$	$\sigma_{l,3}$	$\sigma_y$	$\sigma_N$	$\sigma_A$	$\sigma_n$	$\sigma_l$
6.60	6.60	-6.00	1.0274	.1858	.4339	.0025	.0495	.2556	1.0412	.0774	.0076	.0490
6.60	6.60	-6.00	1.0279	.1850	.4367	.0025	.0490	.2539	1.0416	.0765	.0076	.0484
6.61	6.61	-3.00	1.0110	.1848	.4694	.0009	.0245	.1306	1.0248	.0781	.0034	.0243
6.61	6.61	-3.00	1.0089	.1844	.4709	.0011	.0245	.1322	1.0226	.0779	.0037	.0243
6.61	6.61	.00	.9793	.1778	.4962	.0031	.0004	.0071	.9925	.0745	.0031	-.0002
6.61	6.61	.00	.9777	.1783	.4905	.0047	.0006	.0039	.9910	.0752	.0047	.0001
6.60	6.60	3.00	.9882	.1853	.4748	.0068	-.0242	-.1226	1.0021	.0810	.0042	-.0247
6.60	6.60	3.00	.9909	.1830	.4768	.0073	-.0227	-.1230	1.0045	.0784	.0049	-.0233
6.61	6.61	6.00	1.0088	.1849	.4459	.0070	-.0469	-.2421	1.0225	.0785	.0021	-.0474
6.60	6.60	6.00	1.0040	.1857	.4705	.0066	-.0473	-.2417	1.0178	.0797	.0016	-.0478
6.60	6.60	9.00	1.0168	.1761	.4233	.0068	-.0694	-.3605	1.0296	.0688	-.0005	-.0697
6.60	6.60	9.00	1.0211	.1743	.4225	.0067	-.0692	-.3613	1.0337	.0666	-.0005	-.0695
6.59	6.59	12.00	.9964	.1907	.3762	.0101	-.0883	-.4868	1.0067	.0457	.0009	-.0889
6.60	6.60	12.00	.9986	.1496	.3826	.0098	-.0905	-.4871	1.0087	.0444	.0002	-.0909
6.59	6.59	15.00	.9668	.1128	.3331	.0173	-.1092	-.6126	.9732	.0111	.0057	-.1104
6.59	6.59	15.00	.9705	.1125	.3385	.0181	-.1089	-.6136	.9769	.0104	.0066	-.1101
6.56	6.56	18.00	.8912	.1156	.4056	.0309	-.1125	-.7382	.8983	.0218	.0190	-.1151
6.56	6.56	18.00	.8885	.1134	.3990	.0317	-.1126	-.7341	.8955	.0199	.0197	-.1153
6.52	6.52	21.00	.8159	.0850	.4153	.0312	-.1242	-.8595	.8203	-.0007	.0181	-.1267
6.53	6.53	21.00	.8234	.0868	.4143	.0332	-.1231	-.8555	.8280	.0003	.0201	-.1259
6.50	6.50	24.00	.7827	.0665	.3530	.0314	-.1270	-.9475	.7654	-.0136	.0180	-.1295
6.49	6.49	24.00	.7990	.0667	.3367	.0313	-.1271	-.9406	.7617	-.0129	.0178	-.1296
6.47	6.47	30.00	.7023	.0102	.1920	.0513	-.1210	-1.1285	.6995	-.0633	.0384	-.1256
6.47	6.47	30.00	.7066	.0103	.1889	.0488	-.1231	-1.1291	.7037	-.0636	.0357	-.1275

Table 2 (Continued)

Run No. 87

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_m$	$\gamma_{n,v}$	$\gamma_{l,s}$	$\gamma_y$	$\gamma_z$	$\gamma_x$	$\gamma_n$	$\gamma_i$
12.93	-6.00	1.6449	.3856	.2769	-.0020	.0488	.2442	1.6891	.0352	.0081	.0461
12.93	-6.00	1.6343	.3836	.2840	-.0025	.0480	.2360	1.6783	.0354	.0075	.0474
12.95	-3.00	1.6547	.3850	.3126	.0007	.0232	.1219	1.6986	.0326	.0055	.0225
12.95	-3.00	1.6451	.3877	.3087	.0008	.0232	.1232	1.6896	.0370	.0056	.0226
12.96	.00	1.6486	.3749	.3641	-.0019	-.0052	.0029	1.6905	.0240	-.0039	-.0047
12.97	.00	1.6598	.3741	.3855	-.0025	-.0043	-.0004	1.7013	.0208	-.0033	-.0037
12.97	3.00	1.6797	.3729	.3677	-.0053	-.0284	-.1113	1.7205	.0155	-.0111	-.0217
12.97	3.00	1.6754	.3726	.3823	-.0052	-.0290	-.1097	1.7163	.0161	-.0111	-.0273
12.95	6.00	1.6580	.3601	.2440	.0035	-.0552	-.2343	1.6966	.0075	-.0075	-.0547
12.95	6.00	1.6580	.3601	.2438	.0035	-.0538	-.2332	1.6966	.0075	-.0075	-.0533
12.92	9.00	1.6016	.3816	.2315	.0168	-.0701	-.3395	1.6459	.0403	.0018	-.0721
12.92	9.00	1.6032	.3812	.2298	.0175	-.0710	-.3415	1.6474	.0395	.0023	-.0731
12.91	12.00	1.5770	.3591	.2065	.0286	-.0925	-.1602	1.6172	.0234	.0027	-.0964
12.90	12.00	1.5722	.3578	.2081	.0273	-.0934	-.1578	1.6122	.0231	.0073	-.0970
12.89	15.00	1.5249	.3225	.1634	.0393	-.1104	-.5826	1.5586	-.0016	.0155	-.1161
12.89	15.00	1.5329	.3226	.1675	.0396	-.1112	-.5827	1.5664	-.0032	.0156	-.1169
12.87	18.00	1.4775	.3055	.1694	.0508	-.1271	-.6988	1.5088	-.0084	.0232	-.1346
12.88	18.00	1.4899	.3033	.1617	.0514	-.1270	-.7085	1.5204	-.0131	.0237	-.1357
12.84	21.00	1.3979	.2704	.1483	.0613	-.1326	-.7976	1.4236	-.0262	.0324	-.1426
12.84	21.00	1.3979	.2694	.1408	.0600	-.1342	-.7973	1.4234	-.0271	.0309	-.1437
12.80	24.00	1.3235	.2424	.1443	.0635	-.1366	-.8941	1.3449	-.0380	.0337	-.1468
12.73	24.00	1.3197	.2399	.1347	.0648	-.1366	-.8934	1.3408	-.0397	.0350	-.1471
12.69	30.00	1.1261	.2108	.1852	.0546	-.1157	-.9782	1.1453	-.0279	.0294	-.1245
12.69	30.00	1.1133	.2084	.1833	.0539	-.1160	-.9753	1.1323	-.0276	.0286	-.1247



Table 2 (Continued)

Run No. 89	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
-10.49	-6.00	-9.844	1.824	.3189	.0189	.0101	.2250	-1.0011	.0087	.0169	.0132															
-10.50	-6.00	-9.882	1.832	.3197	.0203	.0104	.2246	-1.0049	.0088	.0182	.0138															
-8.37	-6.00	-7.600	1.310	.3428	.0176	.0135	.2332	-7.7708	.0240	.0156	.0158															
-8.38	-6.00	-7.696	1.303	.3484	.0174	.0133	.2390	-7.802	.0219	.0154	.0156															
-4.08	-6.00	-2.259	.0804	.3695	.0213	.0124	.2333	-2.309	.0645	.0200	.0192															
-4.08	-6.00	-2.259	.0809	.3684	.0212	.0191	.2350	-2.309	.0649	.0196	.0204															
.21	-6.00	.3144	.0796	.4358	.0254	.0257	.2132	.3144	.0796	.0254	.0257															
.21	-6.00	.3149	.0802	.4363	.0255	.0262	.2149	.3149	.0802	.0255	.0262															
4.49	-6.00	.8253	.1169	.5006	.0276	.0370	.2017	.8315	.0590	.0301	.0350															
4.49	-6.00	.8211	.1161	.5000	.0273	.0371	.2022	.8271	.0585	.0296	.0351															
8.79	-6.00	1.3638	.1878	.5056	.0260	.0423	.1902	1.3766	.0038	.0324	.0442															
8.78	-6.00	1.3584	.1876	.5034	.0259	.0425	.1870	1.3713	.0042	.0324	.0444															
10.88	-6.00	1.5490	.2689	.4536	.0150	.0482	.1753	1.5795	.0058	.0231	.0449															
10.89	-6.00	1.5565	.2685	.4508	.0150	.0486	.1806	1.5795	.0058	.0231	.0452															
12.94	-6.00	1.6524	.3933	.3053	.0145	.0474	.1935	1.6980	.0412	.0240	.0434															
12.93	-6.00	1.6481	.3947	.2912	.0136	.0473	.1921	1.6941	.0434	.0231	.0435															
15.03	-6.00	1.8547	.4657	.1980	.0060	.0469	.2025	1.9122	.0031	.0171	.0441															
15.04	-6.00	1.8589	.4668	.2007	.0065	.0443	.1972	1.9166	.0032	.0170	.0414															
17.13	-6.00	2.0211	.5485	.0314	.0041	.0394	.2174	2.0939	.0299	.0069	.0390															
17.13	-6.00	2.0265	.5488	.0344	.0041	.0400	.2115	2.1012	.0316	.0073	.0403															
19.18	-6.00	2.1261	.6567	.0449	.0054	.0443	.2096	2.2250	.0325	.0085	.0438															
19.18	-6.00	2.1293	.6564	.0609	.0051	.0479	.2096	2.2279	.0337	.0100	.0471															
21.22	-6.00	2.2013	.7716	.1292	.0074	.0402	.2148	2.3324	.0279	.0068	.403															
21.22	-6.00	2.1912	.7695	.1336	.0075	.0339	.2083	2.3222	.0263	.0046	.0344															
23.26	-6.00	2.2584	.8956	.1801	.0067	.0329	.1919	2.4257	.0249	.0062	.0330															
23.24	-6.00	2.2371	.8824	.1613	.0048	.0331	.1902	2.4047	.0198	.0082	.0331															
25.26	-6.00	2.2584	1.0047	.3370	.0032	.0389	.2146	2.4718	.0007	.0129	.0308															
25.25	-6.00	2.2547	1.0047	.3362	.0038	.0383	.2054	2.4692	.0003	.0121	.0365															
27.22	-6.00	2.1987	1.1355	.4568	.0047	.0220	.1893	2.4756	.0603	.0059	.0224															
27.22	-6.00	2.1981	1.1361	.4492	.0031	.0232	.1916	2.4737	.0575	.0074	.0222															
29.25	-6.00	2.2536	1.2693	.4986	.0042	.0264	.1821	2.5857	.0627	.0087	.0253															
29.24	-6.00	2.2397	1.2609	.5027	.0046	.0269	.1787	2.5855	.0618	.0084	.0260															
31.21	-6.00	2.1805	1.3701	.4253	.0076	.0538	.1198	2.5734	.0913	.0334	.0426															
31.21	-6.00	2.1795	1.3715	.4318	.0049	.0539	.2254	2.5712	.0945	.0312	.0443															

Table 2 (Continued)

Run No.	$\alpha$	$\delta$	$\mu$	$\alpha_0$	$\delta_0$	$\mu_0$	$\alpha_1$	$\delta_1$	$\mu_1$	$\alpha_2$	$\delta_2$	$\mu_2$	$\alpha_3$	$\delta_3$	$\mu_3$	$\alpha_4$	$\delta_4$	$\mu_4$	$\alpha_5$	$\delta_5$	$\mu_5$
-10.50	-1.0360	1.755	.3260	-.0119	-.0035	-.2062	-1.0507	-.0070	-.0111	-.055											
-10.50	-1.0322	1.756	.3269	-.0113	-.0031	-.2079	-1.0470	-.0063	-.0106	-.050											
-8.37	-.7876	1.333	.3453	-.0130	-.0061	-.2044	-.7985	-.0224	-.0120	-.079											
-8.37	-.7871	1.330	.3453	-.0129	-.0060	-.2011	-.7979	-.0222	-.0120	-.077											
-4.08	-.2612	.0818	.3767	-.0106	-.0172	-.2132	-.2662	-.0634	-.0094	-.079											
-4.08	-.2606	.0815	.3740	-.0105	-.0176	-.2126	-.2657	-.0631	-.0093	-.078											
.21	.3825	.0795	.4375	-.0135	-.0258	-.1972	.2825	.0794	-.0135	-.0257											
.21	.3825	.0795	.4384	-.0134	-.0257	-.1978	.2777	.0802	-.0134	-.0257											
4.49	.7917	.1155	.5044	-.0177	-.0366	-.1803	.7978	.0600	-.0201	-.0353											
4.49	.7890	.1162	.5041	-.0172	-.0368	-.1788	.7952	.0609	-.0197	-.0355											
8.79	1.3403	.1744	.5047	-.0167	-.0501	-.1693	1.3515	-.0138	-.0235	-.0473											
8.79	1.3387	.1879	.5048	-.0167	-.0496	-.1713	1.3518	-.0003	-.0235	-.0468											
10.90	1.5449	.2722	.3945	-.0228	-.0546	-.1911	1.5686	-.0002	-.0319	-.0499											
10.89	1.5358	.2717	.4092	-.0233	-.0569	-.1895	1.5596	.0009	-.0328	-.0520											
13.00	1.7465	.3438	.2491	-.0185	-.0618	-.1960	1.7798	-.0268	-.0309	-.0567											
13.00	1.7412	.3454	.2422	-.0184	-.0605	-.1940	1.7749	-.0242	-.0305	-.0553											
15.04	1.8341	.4711	.2063	-.0018	-.0480	-.1779	1.8936	.0134	-.0134	-.0462											
15.04	1.8298	.4689	.2073	-.0024	-.0467	-.1777	1.8889	.0123	-.0136	-.0447											
17.12	1.9792	.5461	.0172	.0054	-.0389	-.1914	2.0530	-.0206	-.0055	-.0389											
17.12	1.9808	.5459	.0223	.0066	-.0421	-.1849	2.0545	-.0212	-.0052	-.0423											
19.19	2.0960	.6604	-.0445	.0073	-.0378	-.1806	2.1974	-.0196	-.0047	-.0381											
19.19	2.1035	.6643	-.0565	.0116	-.0407	-.1782	2.2057	-.0182	-.0015	-.0422											
21.22	2.1573	.7687	-.0812	.0164	-.0224	-.1786	2.2901	-.0155	.0077	-.0267											
21.22	2.1584	.7720	-.0770	.0223	-.0248	-.1800	2.2922	-.0127	.0125	-.0309											
23.26	2.2357	.8861	-.1559	.0192	-.0088	-.1846	2.4048	-.0160	.0145	-.0153											
23.26	2.2496	.8905	-.1522	.0180	-.0119	-.1785	2.4193	-.0170	.0123	-.0178											
25.25	2.2112	1.0189	-.2981	.0113	-.0347	-.1732	2.4344	.0315	-.0038	-.0362											
25.25	2.2112	1.0217	-.2957	.0103	-.0310	-.1671	2.4355	.0340	-.0032	-.0325											
27.24	2.1931	1.1500	-.3866	.0148	-.0295	-.1520	2.4752	.0722	.0004	-.0331											
27.24	2.1915	1.1520	-.4206	.0146	-.0219	-.1519	2.4746	.0747	.0035	-.0261											
29.23	2.1819	1.2629	-.4485	.0060	-.0172	-.1271	2.5135	.0908	-.0028	-.0180											
29.23	2.1824	1.2535	-.4603	.0054	-.0247	-.1260	2.5182	.0875	-.0068	-.0243											
31.23	2.1696	1.3730	-.4232	.0055	-.0326	-.1203	2.5654	.1042	-.0116	-.0309											
31.23	2.1770	1.3755	-.4257	.0066	-.0319	-.1199	2.5731	.1027	-.0102	-.0309											



Table 2 (Continued)

[illegible]



Table 2 (Continued)

Run No. 73	$\lambda$	$\mu$	$\sigma$	$\tau$	$\delta$	$\pi$	$\alpha_{1,2}$	$\gamma$	$\nu$	$\beta_1$	$\beta_2$
12.33	-5.00	1.0460	.3921	.2943	.0135	.0480	.1902	1.6315	.0414	.0233	.0448
12.94	-6.00	1.5535	.3930	.3115	.0138	.0481	.1918	1.6396	.0406	.0235	.0442
12.95	-3.00	1.6563	.3878	.3230	.0081	.0222	.0238	1.7027	.0349	.0125	.0201
12.95	-3.00	1.6510	.3880	.3192	.0084	.0212	.0217	1.6956	.0363	.0126	.0190
12.97	.00	1.6646	.3764	.3972	.0021	.0051	.0214	1.7065	.0221	.0031	.0046
12.97	.00	1.6603	.3756	.4003	.0019	.0050	.0051	1.7021	.0222	.0031	.0051
12.98	3.00	1.6861	.3750	.3882	.0132	.0319	.0237	1.7272	.0162	.0135	.0285
12.98	3.00	1.6877	.3737	.3870	.0134	.0315	.0278	1.7285	.0146	.0137	.0280
12.96	6.00	1.6639	.3640	.2905	.0122	.0572	.1875	1.7032	.0102	.0237	.0534
12.96	6.00	1.6612	.3619	.2577	.0126	.0550	.1867	1.7001	.0086	.0238	.0511
12.91	9.00	1.5920	.3845	.2628	.0108	.0718	.0203	1.6371	.0451	.0255	.0680
12.92	9.00	1.6021	.3870	.2670	.0115	.0722	.0288	1.6476	.0454	.0262	.0682
12.89	12.00	1.5530	.3683	.2695	.0141	.0911	.0398	1.5956	.0374	.0327	.0862
12.89	12.00	1.5541	.3677	.2690	.0145	.0919	.0424	1.5965	.0366	.0333	.0869
12.86	15.00	1.4796	.3408	.2630	.0196	.1030	.0434	1.5181	.0257	.0405	.0967
12.87	15.00	1.4961	.3414	.2643	.0192	.1048	.0466	1.5344	.0229	.0406	.0985
12.86	18.00	1.4552	.3135	.2326	.0240	.1222	.0510	1.4885	.0041	.0489	.1146
12.86	18.00	1.4531	.3152	.2416	.0231	.1222	.0503	1.4868	.0062	.0478	.1141
12.83	21.00	1.3862	.2800	.1847	.0223	.1216	.0533	1.4141	.0143	.0476	.1170
12.83	21.00	1.3873	.2802	.1999	.0235	.1244	.0576	1.4152	.0143	.0491	.1183
12.79	24.00	1.3155	.2462	.1761	.0281	.1299	.0502	1.3379	.0327	.0545	.1212
12.79	24.00	1.3075	.2446	.1689	.0281	.1300	.0491	1.3297	.0326	.0545	.1213
12.69	30.00	1.1266	.2139	.2020	.0377	.1178	.0733	1.1465	.0250	.0613	.1074
12.68	30.00	1.1106	.2149	.2083	.0389	.1179	.0731	1.1310	.0207	.0626	.1072



Table 2 (Continued)

Run No. 95

$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_m$	$C_{n,w}$	$C_{L,s}$	$C_Y$	$C_n$	$C_A$	$C_n$	$C_z$
6.53	-6.00	.8998	.1299	.1063	-.0087	.0423	.2926	.9085	.0351	-.0042	.0429
6.53	-6.00	.9021	.1295	.1092	-.0089	.0416	.2877	.9106	.0345	-.0044	.0424
6.54	-3.00	.8673	.1198	.1245	-.0009	.0211	.1477	.8950	.0264	.0013	.0211
6.54	-3.00	.8876	.1205	.1216	-.0003	.0216	.1510	.8955	.0270	.0020	.0217
6.54	.00	.8524	.1151	.1331	.0039	.0011	.0077	.8957	.0253	.0040	.0006
6.54	.00	.8535	.1151	.1347	.0036	.0006	.0082	.8608	.0252	.0036	.0002
6.54	3.00	.8741	.1204	.1167	.0073	-.0201	-.1231	.8818	.0284	.0052	-.0208
6.54	3.00	.8751	.1201	.1196	.0075	-.0186	-.1199	.8828	.0279	.0055	-.0193
6.54	6.00	.8666	.1186	.1036	.0133	-.0395	-.2630	.8941	.0253	.0091	-.0406
6.54	6.00	.8656	.1186	.1028	.0132	-.0392	-.2620	.8941	.0254	.0091	-.0404
6.54	9.00	.9021	.1114	.0956	.0211	-.0599	-.4115	.9086	.0165	.0147	-.0617
6.54	9.00	.8989	.1118	.0883	.0216	-.0594	-.4105	.9050	.0172	.0153	-.0613
6.53	12.00	.8816	.0897	.0773	.0289	-.0780	-.5527	.8653	.0030	.0206	-.0806
6.53	12.00	.8828	.0907	.0800	.0293	-.0950	-.5519	.8875	.0020	.0210	-.0806
6.53	15.00	.8558	.0575	.0689	.0350	-.0950	-.7036	.8571	.0323	.0249	-.0981
6.53	15.00	.8569	.0576	.0686	.0349	-.0941	-.6983	.8582	.0323	.0249	-.0972
6.52	18.00	.8224	.0186	.0658	.0405	-.1078	-.8337	.8198	.0290	.0290	-.1115
6.52	18.00	.8155	.0186	.0640	.0404	-.1072	-.8270	.8129	.0687	.0290	-.1108
6.48	21.00	.7285	.0342	.1102	.0522	-.1128	-.9571	.7281	.0421	.0401	-.1176
6.47	21.00	.7216	.0327	.1122	.0515	-.1109	-.9509	.7210	.0429	.0396	-.1157
6.46	24.00	.7008	.0046	.1012	.0609	-.1229	-.1077	.6974	.0685	.0477	-.1255
6.46	24.00	.6971	.0071	.1073	.0599	-.1223	-.1071	.6940	.0658	.0468	-.1278
6.47	30.00	.7026	-.0773	.0437	.0763	-.1301	-.1324	.6909	.1504	.0623	-.1374
6.46	30.00	.6948	-.0791	.0328	.0770	-.1306	-.1324	.6828	.1512	.0629	-.1379

Table 2 (Continued)

Run. No. 96

$\alpha$	$\beta$	$C_L$	$C_D$	$C_{mi}$	$C_{n,v}$	$C_{L,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_L$
12.93	-6.00	1.6364	.3223	.0981	-.0153	.0410	.2720	1.6676	-.0249	-.0065	.0433
12.93	-6.00	1.6428	.3227	.0959	-.0161	.0405	.2735	1.6740	-.0260	-.0073	.0429
12.94	-3.00	1.6414	.3194	.1072	-.0099	.0184	.1410	1.6719	-.0289	-.0058	.0200
12.94	-3.00	1.6403	.3205	.1075	-.0103	.0179	.1389	1.6711	-.0275	-.0064	.0196
12.95	.00	1.6304	.3141	.1187	-.0049	-.0050	.0013	1.6601	-.0318	-.0058	-.0038
12.95	.00	1.6382	.3107	.1195	-.0038	-.0039	.0103	1.6474	-.0325	-.0045	-.0031
12.96	3.00	1.6472	.3146	.1049	.0004	-.0271	-.1244	1.6766	-.0347	-.0053	-.0266
12.95	3.00	1.6403	.3137	.1055	.0001	-.0287	-.1249	1.6696	-.0342	-.0054	-.0261
12.95	6.00	1.6473	.3103	.0857	.0044	-.0482	-.2495	1.6758	-.0389	-.0057	-.0481
12.95	6.00	1.6484	.3104	.0820	.0050	-.0483	-.2498	1.6769	-.0392	-.0052	-.0482
12.91	9.00	1.5914	.3166	.1029	.0283	-.0612	-.3849	1.6224	-.0212	.0150	-.0657
12.91	9.00	1.6000	.3183	.1082	.0287	-.0613	-.3856	1.6312	-.0213	.0153	-.0659
12.89	12.00	1.5557	.3026	.1017	.0401	-.0819	-.5303	1.5846	-.0275	.0222	-.0884
12.89	12.00	1.5541	.3005	.1047	.0397	-.0833	-.5282	1.5826	-.0291	.0215	-.0897
12.87	15.00	1.4977	.2747	.1003	.0514	-.1002	-.6643	1.5221	-.0426	.0294	-.1087
12.87	15.00	1.4951	.2736	.0984	.0516	-.1013	-.6679	1.5192	-.0432	.0294	-.1098
12.85	18.00	1.4323	.2476	.0209	.0630	-.1175	-.7947	1.4524	-.0556	.0371	-.1280
12.84	18.00	1.4232	.2478	.0208	.0634	-.1163	-.7910	1.4436	-.0536	.0379	-.1270
12.80	21.00	1.3377	.2080	.0448	.0679	-.1246	-.9034	1.3516	-.0747	.0405	-.1350
12.80	21.00	1.3350	.2079	.0428	.0680	-.1254	-.9058	1.3490	-.0742	.0404	-.1368
12.78	24.00	1.2942	.1682	.0214	.0763	-.1365	-.1.0369	1.3008	-.1045	.0462	-.1493
12.78	24.00	1.3016	.1668	.0250	.0788	-.1380	-.1.0390	1.3078	-.1074	.0484	-.1513
12.68	30.00	1.1058	.1477	-.0182	.0835	-.1120	-.1.1400	1.1124	-.0854	.0584	-.1269
12.68	30.00	1.1005	.1484	-.0206	.0825	-.1137	-.1.1393	1.1072	-.0836	.0571	-.1284

Table 2 (Continued)

$\alpha$	$\beta$	$C_L$	$C_T$	$C_m$	$C_{N,M}$	$C_{L,S}$	$C_Y$	$C_H$	$C_A$	$C_N$	$C_L$
-10.54	.00	-1.1277	.1617	-.1974	.0041	-.0000	.0092	-1.1327	-.0366	.0041	.0007
-10.54	.00	-1.1245	.1610	-.1939	.0041	.0004	.0125	-1.1353	-.0367	.0040	.0010
-8.41	.00	-.8827	.1251	-.1373	.0042	.0000	.0045	-.8914	.0010	.0041	.0005
-8.41	.00	-.8853	.1262	-.1370	.0042	.0002	.0066	-.8943	.0017	.0041	.0007
-4.14	.00	-.3934	.0782	-.0425	.0040	.0008	.0087	-.3979	.0506	.0039	.0011
-4.14	.00	-.3956	.0782	-.0409	.0039	.0003	.0039	-.4000	.0504	.0039	.0005
.11	.00	.0681	.0681	.0542	.0047	.0017	.0050	.0681	.0681	.0047	.0017
.11	.00	.0675	.0684	.0522	.0047	.0010	.0029	.0675	.0684	.0047	.0010
4.36	.00	.5287	.0897	.1774	.0045	.0018	.0066	.5336	.0526	.0045	.0015
4.36	.00	.5287	.0904	.1761	.0045	.0011	.0007	.5336	.0533	.0045	.0007
8.63	.00	1.0291	.1478	.2719	.0025	.0015	.0114	1.0396	.0031	.0027	.0011
8.63	.00	1.0275	.1474	.2688	.0034	.0017	.0103	1.0380	.0030	.0035	.0012
12.90	.00	1.5398	.2478	.3243	.0026	.0015	.0077	1.5576	-.0778	.0028	.0009
12.90	.00	1.5387	.2476	.3256	.0027	.0016	.0055	1.5565	-.0777	.0030	.0010
15.04	.00	1.8076	.3152	.3195	.0031	.0025	-.0035	1.8301	-.1315	.0035	.0017
15.04	.00	1.8087	.3158	.3131	.0031	.0019	.0045	1.8313	-.1311	.0034	.0011
17.14	.00	2.0028	.4144	.3375	-.0063	-.0023	.0125	2.0394	-.1537	-.0067	-.0005
17.15	.00	2.0123	.4150	.3359	-.0065	-.0025	.0077	2.0476	-.1554	-.0069	-.0007
19.15	.00	2.0065	.5792	.1672	.0032	.0046	.0087	2.0575	-.0685	.0045	.0034
19.15	.00	2.0103	.5791	.1915	.0038	.0039	.0066	2.0908	-.0704	.0048	.0025
21.16	.00	2.0547	.6692	.0721	.0072	.0119	.0071	2.1690	-.0773	.0108	.0088
21.18	.00	2.0746	.6707	.0613	.0069	.0114	.0071	2.1790	-.0793	.0103	.0084
23.24	.00	2.1763	.7745	.0187	.0091	.0190	-.0131	2.3068	.0158	.0158	.0151
23.25	.00	2.1943	.7747	.0401	.0025	.0166	-.0030	2.3246	-.1037	.0086	.0146
25.25	.00	2.1937	.8965	.0186	.0087	.0146	-.0046	2.3687	-.0732	.0139	.0098
25.25	.00	2.1975	.9007	.0263	.0053	.0149	-.0051	2.3736	-.0710	.0101	.0114
27.26	.00	2.2375	1.0309	.0152	.0051	.0106	.0071	2.4629	-.0543	.0092	.0073
27.26	.00	2.2060	1.0229	.0210	.0046	.0116	.0082	2.4312	-.0476	.0093	.0083
29.27	.00	2.2407	1.1615	.0031	.0050	.0142	.0146	2.5331	-.0087	.0101	.0102
29.27	.00	2.2366	1.1734	-.0069	.0079	.0135	.0157	2.5259	-.0142	.0133	.0081
31.27	.00	2.0535	1.2825	-.1605	-.0003	-.0042	.0029	2.4196	-.0639	-.0023	-.0035
31.26	.00	2.0636	1.2877	-.1708	.0034	.0011	.0055	2.4369	.0033	.0035	-.0007

Table 2 (Continued).

$\alpha$	$\beta$	$C_L$	$C_{D1}$	$C_m$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_Y$	$C_A$	$C_{\epsilon}$	$C_L$
-10.62	.00	-1.2749	.1638	-.1082	.0060	-.0013	.0082	-1.2639	-.0601	.061	-.0002
-10.62	.00	-1.2744	.1640	-.1062	.0059	-.0017	.0050	-1.2635	-.0598	.061	-.0007
-18.47	.00	-.8667	.1840	.0315	-.6470	11.8017	154.2843	-.8611	-.0928	4.2623	11.0241
-8.47	.00	-1.0032	.1251	-.0732	.0058	-.0021	.0018	-1.0108	-.0157	.0060	-.0012
-4.16	.00	-.4281	.0737	-.0171	.0050	-.0002	.0007	-.4250	-.0439	.0049	-.0002
-4.16	.00	-.4281	.0732	-.0194	.0046	-.0004	-.0009	-.4321	-.0432	.0045	-.0001
.14	.00	.1294	.0650	.0004	.0035	-.0003	.0029	.1294	.0650	.0035	-.0003
.14	.00	.1283	.0649	-.0001	.0032	-.0003	.0018	.1283	.0649	.0032	-.0003
4.44	.00	.6823	.0938	.0208	.0026	-.0013	.0018	.6871	.0459	.0027	-.0015
4.44	.00	.6833	.0939	-.0227	.0031	-.0011	.0002	.6882	.0461	.0030	-.0013
8.75	.00	1.2467	.1600	.0123	.0011	-.0008	.0002	1.2568	-.0150	.0010	-.0009
8.75	.00	1.2419	.1606	.0141	.0009	-.0004	.0034	1.2522	-.0139	.0009	-.0005
13.06	.00	1.8267	.2740	-.0202	.0013	-.0006	.0061	1.8437	-.1118	.0011	-.0009
13.05	.00	1.8118	.2713	-.0200	.0010	-.0008	.0039	1.8286	-.1113	.0008	-.0009
15.20	.00	2.1084	.3476	-.0659	.0012	-.0016	.0071	2.1258	-.1727	.0015	-.0015
17.30	.00	2.2801	.5018	-.0302	.0007	.0010	.0119	2.1314	-.1732	.0015	-.0018
17.30	.00	2.2791	.5033	-.0232	.0012	.0023	.0055	2.3301	-.1461	.0009	-.0008
19.31	.00	2.3111	.6553	-.1748	.0007	.0038	.0125	2.3295	-.1444	.0018	-.0018
19.31	.00	2.3073	.6547	-.1721	.0003	.0039	.0162	2.4004	-.0910	.0018	-.0034
21.33	.00	2.3447	.7554	-.2818	.0021	.0039	.0133	2.3667	-.0904	.0015	-.0036
21.33	.00	2.3447	.7637	-.2917	.0058	.0117	.0103	2.4621	-.0923	.0067	.0124
23.37	.00	2.4119	.8956	-.3339	.0119	.0282	.0045	2.4644	-.0843	.0094	.0090
23.36	.00	2.4049	.8954	-.3210	.0113	.0296	-.0179	2.5717	-.0731	.0216	.0217
25.38	.00	2.4327	1.0287	-.3093	.0017	.0140	-.0131	2.5652	-.0707	.0215	.0212
25.38	.00	2.4295	1.0308	-.3096	.0026	.0161	.0146	2.6407	-.0497	.0072	.0121
27.39	.00	2.4449	1.1722	-.3070	.0003	.0110	.0151	2.6386	-.0464	.0089	.0137
27.39	.00	2.4455	1.1761	-.3206	.0008	.0097	.0215	2.7113	-.0182	.0051	.0098
29.40	.00	2.4668	1.3218	-.3385	.0011	.0141	.0199	2.7135	-.0149	.0050	.0083
29.39	.00	2.4583	1.3249	-.3394	.0032	.0143	.0274	2.7985	.0090	.0076	.0119
31.32	.00	2.3239	1.4400	-.5358	.0060	.0132	.0130	2.7325	.0157	.0095	.0095
31.31	.00	2.3127	1.4344	-.5247	.0080	.0124	.0002	2.7200	.0851	.0131	.0067



Table 2 (Continued)

Run No. 99	$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
	-10.66	.00	-1.3384	.2056	-.0044	.0043	.0002	.0108	-1.3537	-.0300	.0042	.0009
	-10.66	.00	-1.3379	.2061	-.0028	.0047	.0005	.0095	-1.3533	-.0294	.0045	.0013
	-8.51	.00	-1.0704	.1458	.0198	.0031	.0005	.0095	-1.3803	-.0047	.0030	.0010
	-8.51	.00	-1.0693	.1463	.0234	.0024	.0012	.0066	-1.3793	-.0039	.0023	.0015
	-4.20	.00	-.4910	.0784	.0589	.0043	.0005	-.0035	-.4953	.0439	.0043	.0002
	-4.20	.00	-.4873	.0777	.0588	.0044	.0016	-.0094	-.4915	.0435	.0045	.0013
	.11	.00	.0686	.0642	.0637	.0025	.0008	.0009	.0586	.0642	.0025	.0008
	.11	.00	.0665	.0656	.0634	.0025	.0002	.0034	.0674	.0656	.0024	.0002
	4.41	.00	.6151	.0834	.0983	.0028	.0002	.0066	.1198	.0463	.0028	.0002
	4.41	.00	.6161	.0838	.0994	.0023	.0002	.0029	.1208	.0466	.0023	.0004
	8.71	.00	1.1678	.1437	.1012	.0008	.0001	.0039	1.1772	-.0143	.0007	.0002
	8.71	.00	1.1737	.1503	.1053	.0005	.0003	.0029	1.1831	-.0145	.0004	.0003
	13.02	.00	1.7467	.2565	.0714	.0014	.0005	.0092	1.7518	-.1123	.0013	.0008
	13.02	.00	1.7424	.2563	.0747	.0009	.0010	.0079	1.7576	-.1116	.0007	.0012
	15.16	.00	2.0247	.3243	.0374	.0006	.0007	.0110	2.0430	-.1751	.0004	.0008
	15.16	.00	2.0273	.3247	.0374	.0013	.0006	.0110	2.0450	-.1754	.0013	.0003
	17.25	.00	2.1909	.4063	.0743	.0006	.0007	.0140	2.2403	-.1513	.0006	.0001
	17.25	.00	2.2001	.4071	.0730	.0012	.0005	.0140	2.2442	-.1555	.0013	.0002
	19.00	.00	2.2145	.5074	.0860	.0018	.0005	.0173	2.2745	-.1444	.0028	.0033
	19.00	.00	2.2172	.5075	.0748	.0017	.0006	.0173	2.2770	-.1454	.0028	.0033
	21.30	.00	2.2644	.7134	.1245	.0040	.0013	.0108	2.3300	-.1100	.0005	.0128
	21.30	.00	2.2789	.7188	.1286	.0056	.0034	.0108	2.3835	-.1132	.0006	.0107
	23.34	.00	2.3149	.8323	.2463	.0035	.0037	.0004	2.5045	-.1142	.0052	.0107
	23.34	.00	2.3312	.8279	.2443	.0071	.0006	.0007	2.4773	-.1159	.0141	.0107
	25.35	.00	2.5700	.9045	.2440	.0031	.0010	.0055	2.5523	-.0960	.0007	.0143
	25.35	.00	2.5703	.9045	.2471	.0040	.0010	.0055	2.5525	-.0960	.0007	.0143
	27.37	.00	2.6103	1.1108	.2523	.0040	.0010	.0055	2.5525	-.0960	.0007	.0143
	27.37	.00	2.6103	1.1108	.2523	.0040	.0010	.0055	2.5525	-.0960	.0007	.0143
	29.38	.00	2.6300	1.2473	.2827	.0023	.0010	.0055	2.5525	-.0960	.0007	.0143
	29.38	.00	2.6300	1.2473	.2827	.0023	.0010	.0055	2.5525	-.0960	.0007	.0143
	31.20	.00	2.2071	1.3437	.2857	.0021	.0010	.0055	2.5525	-.0960	.0007	.0143
	31.20	.00	2.2071	1.3437	.2857	.0021	.0010	.0055	2.5525	-.0960	.0007	.0143
	31.20	.00	2.2071	1.3437	.2857	.0021	.0010	.0055	2.5525	-.0960	.0007	.0143

Table 2 (Continued)

Run No. 100

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_m$	$\gamma_{H,W}$	$\gamma_{L,S}$	$\gamma$	$\gamma_H$	$\gamma_V$	$\gamma_L$
-10.71	.00	-1.14440	.2146	.1009	.0075	-.0001	-.0004	-.0004	-.0394	.0012
-10.71	.00	-1.14451	.2140	.1059	.0072	-.0007	-.0003	-.0003	-.0000	.0000
-8.56	.00	-1.1632	.1493	.0981	.0058	-.0004	-.0002	-.0002	-.0000	.0000
-8.50	.00	-1.1605	.1527	.1018	.0046	-.0003	.0001	.0001	.0000	.0002
-4.22	.00	-.5401	.0725	.0979	.0070	-.0031	-.0070	-.0070	.0000	.0007
-4.23	.00	-.5449	.0740	.0979	.0070	-.0031	-.0070	-.0070	.0000	.0007
.09	.00	.0430	.0571	.0724	.0040	-.0010	-.0002	-.0002	.0000	.0010
.10	.00	.0441	.0571	.0790	.0040	-.0010	-.0002	-.0002	.0000	.0010
4.40	.00	.6022	.0815	.0843	.0044	-.0010	-.0002	-.0002	.0000	.0014
4.40	.00	.6049	.0816	.0854	.005	-.0010	-.0002	-.0002	.0000	.0013
8.72	.00	1.1795	.1470	.0716	.0013	-.0007	-.0002	-.0002	.0000	.0008
8.71	.00	1.1779	.1453	.0694	.0012	-.0008	-.0003	-.0003	.0000	.0009
13.02	.00	1.7585	.2545	.0233	.0032	-.0003	.0000	.0000	.0000	.0009
13.02	.00	1.7579	.2530	.0214	.0027	-.0002	.0000	.0000	.0000	.0007
15.18	.00	2.0695	.3282	-.0374	.0039	-.0005	.0004	.0004	.0000	.0014
15.18	.00	2.0746	.3302	-.0342	.0031	-.0010	.0013	.0013	.0000	.0017
17.28	.00	2.2540	.4729	-.0239	.0019	.0000	.0071	.0071	.0000	.0018
17.28	.00	2.2529	.4756	-.0146	.0024	.0012	.0006	.0006	.0000	.0005
19.31	.00	2.3073	.6273	-.1917	.0038	.0041	.0002	.0002	.0000	.0027
19.32	.00	2.3169	.6310	-.1977	.0025	.0046	.0002	.0002	.0000	.0036
21.34	.00	2.3585	.7356	-.3466	.0067	.0130	.0005	.0005	.0000	.0099
21.34	.00	2.3591	.7337	-.3296	.0066	.0130	.0005	.0005	.0000	.0100
23.41	.00	2.4801	.8703	-.4239	.0091	.0195	-.0004	-.0004	.0000	.0157
23.40	.00	2.4737	.8719	-.4240	.0101	.0179	-.0003	-.0003	.0000	.0160
25.42	.00	2.5073	1.0148	-.4271	.0054	.0182	-.0121	-.0121	.0000	.0144
25.42	.00	2.5137	1.0170	-.4315	.0046	.0171	-.0051	-.0051	.0000	.0137
27.44	.00	2.5473	1.1665	-.4815	.0048	.0116	.0034	.0034	.0000	.0093
27.44	.00	2.5436	1.1675	-.4866	.0047	.0119	.0057	.0057	.0000	.0094
29.45	.00	2.5692	1.3113	-.5356	.0058	.0164	.0066	.0066	.0000	.0126
29.46	.00	2.5761	1.3175	-.5374	.0038	.0139	.0061	.0061	.0000	.0105
31.35	.00	2.3799	1.4204	-.6674	.0060	.0310	.0103	.0103	.0000	.0236
31.34	.00	2.3599	1.4108	-.6626	.0060	.0305	.0151	.0151	.0000	.0234

Table 2 (Continued)

Run No. 101

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_m$	$\gamma_{1/2W}$	$\gamma_{1/2S}$	$\gamma_Y$	$\gamma_N$	$\gamma_I$	$\gamma_n$	$\gamma_L$
8.70	-6.00	1.2155	.1739	.0630	-.0097	.0388	.2453	1.2278	.0031	-.0042	.0397
8.70	-6.00	1.2150	.1740	.0612	-.0100	.0390	.2469	1.2273	.0032	-.0045	.0400
8.71	-3.00	1.1993	.1637	.0730	-.0035	.0198	.1193	1.2104	-.0048	-.0007	.0201
8.71	-3.00	1.2019	.1641	.0750	-.0038	.0196	.1209	1.2130	-.0048	-.0010	.0199
8.71	.00	1.1752	.1443	.0735	.0012	.0003	-.0004	1.1839	-.0207	.0012	.0001
8.71	.00	1.1779	.1438	.0767	.0007	.0008	.0018	1.1854	-.0215	.0006	.0007
8.72	3.00	1.1953	.1900	.0602	.0051	-.0191	-.1167	1.2044	-.0178	.0024	-.0196
8.72	3.00	1.1953	.1903	.0589	.0046	-.0191	-.1157	1.2045	-.0175	.0019	-.0195
8.72	6.00	1.2219	.1455	.0490	.0078	-.0390	-.2447	1.2303	-.0260	.0023	-.0397
8.72	6.00	1.2203	.1449	.0468	.0079	-.0390	-.2420	1.2286	-.0263	.0024	-.0396
8.73	12.00	1.2384	.1039	.0040	.0156	-.0794	-.4997	1.2408	-.0634	.0044	-.0808
8.73	12.00	1.2464	.1059	.0032	.0160	-.0793	-.5017	1.2430	-.0687	.0048	-.0807
8.68	18.00	1.1177	.0684	.0903	.0220	-.1052	-.7491	1.1164	-.0878	.0072	-.1072
8.68	18.00	1.1092	.0676	.0905	.0229	-.1060	-.7485	1.1078	-.0874	.0079	-.1081
8.63	24.00	1.0111	.0459	.0742	.0187	-.1292	-.9547	1.0076	-.0952	.0006	-.1305
8.63	24.00	1.0074	.0450	.0777	.0174	-.1276	-.9502	1.0038	-.0957	-.0005	-.1288
8.59	30.00	.9379	-.0135	-.0535	.0300	-.1366	-.1.1637	.9272	-.1418	.0107	-.1394
8.58	30.00	.9187	-.0052	-.0366	.0270	-.1363	-.1.1553	.9091	-.1330	.0078	-.1388

Table 2 (Continued)

Run No. 10-	$\beta$	$\beta_L$	$\beta_D$	$\beta_m$	$\beta_{r,w}$	$\beta_{r,s}$	$\beta_y$	$\beta_N$	$\beta_A$	$\beta_m$	$\beta_L$
8.47	.00	-9.979	.1110	-.0046	.0081	-.0031	-.0153	-1.0036	-.0290	.0085	-.0019
8.47	.00	-.9954	.1130	-.0067	.0075	-.0028	-.0179	-1.0044	-.0271	.0078	-.0017
-4.14	.00	-.3811	.0654	.0104	.0075	-.0030	-.0190	-.3848	.0386	.0077	-.0024
-4.14	.00	-.3844	.0647	.0103	.0070	-.0026	-.0179	-.3879	.0378	.0077	-.0020
.19	.00	.2126	.0590	.0175	.0058	-.0023	-.0057	.2121	.0590	.0058	-.0023
.19	.00	.2142	.0589	.0193	.0057	-.0023	-.0089	.2142	.0588	.0057	-.0023
4.52	.00	.8209	.0897	-.0392	.0032	-.0024	-.0078	.8252	.0322	.0030	-.0026
4.52	.00	.8204	.0901	-.0395	.0031	-.0023	-.0073	.8246	.0326	.0030	-.0025
8.85	.00	1.4259	.1616	-.1010	.0001	-.0013	-.0014	1.4345	-.0385	-.0001	-.0013
8.85	.00	1.4238	.1612	-.0950	-.0013	-.0020	-.0057	1.4323	-.0385	-.0016	-.0018
13.14	.00	1.9787	.3231	-.1258	-.0054	-.0080	-.0062	2.0026	-.0954	-.0059	-.0067
13.14	.00	1.9755	.3227	-.1269	-.0060	-.0084	-.0078	1.9994	-.0951	-.0076	-.0070
17.33	.00	2.3436	.5415	-.1460	.0021	.0005	.0082	2.4021	-.1254	.0021	-.0001
17.33	.00	2.3436	.5455	-.1432	.0024	.0074	.0087	2.4032	-.1216	.0043	.0064
19.30	.00	2.2801	.6793	-.2563	.0030	.0102	.0162	2.3784	-.0585	.0060	.0086
19.30	.00	2.2807	.6801	-.2354	.0054	.0078	.0173	2.3792	-.0579	.0064	.0024
21.33	.00	2.3495	.7805	-.3108	.0064	.0071	.0274	2.4747	-.0701	.0086	.0051
21.34	.00	2.3585	.7853	-.3293	.0092	.0071	.0215	2.4849	-.0687	.0110	.0035
23.37	.00	2.4183	.9031	-.3527	.0061	.0129	-.0003	2.5804	-.0686	.0104	.0097
23.37	.00	2.4113	.9049	-.3577	.0095	.0147	-.0050	2.5747	-.0643	.0143	.0101
25.38	.00	2.4369	1.0268	-.3502	.0062	.0160	-.0032	2.6438	-.0532	.0121	.0121
25.38	.00	2.4401	1.0247	-.3625	.0063	.0156	-.0025	2.6459	-.0564	.0121	.0117
27.39	.00	2.4593	1.1845	-.3452	.0070	.0118	.0039	2.7297	-.0135	.0115	.0075
27.39	.00	2.4556	1.1843	-.3485	.0069	.0127	.0111	2.7262	-.0120	.0118	.0084
29.34	.00	2.3580	1.3426	-.4501	.0108	.0019	-.0249	2.7123	.0785	.0104	-.0034
29.33	.00	2.3500	1.3423	-.4707	.0110	.0006	-.0233	2.7050	.0819	.0100	-.0046
31.26	.00	2.2167	1.4355	-.4733	.0134	.0037	-.0291	2.6375	.1349	.0314	.0276
31.27	.00	2.2247	1.4364	-.4796	.0146	.0382	-.0323	2.6448	.1317	.0317	.0253

Table 2 (Continued)

Run No. 103

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_{m_0}$	$C_l$
-8.45	3.00	-9476	1131	-0356	.0117	-.0112	-.1613	-.9411	-.0139	.0132	-.0095
-8.45	3.00	-9519	1136	-0431	.0118	-.0107	-.1598	-.9584	-.0200	.0131	-.0090
-4.12	3.00	-3372	.0705	-.0223	.0105	-.0149	-.1609	-.3412	.0468	.0115	-.0142
-4.12	3.00	-3372	.0702	-.0233	.0108	-.0148	-.1608	-.3412	.0465	.0117	-.0140
.21	3.00	.2595	.0645	-.0187	.0083	-.0165	-.1477	.2595	.0645	.0083	-.0165
.21	3.00	.2599	.0645	-.0204	.0084	-.0167	-.1493	.2589	.0645	.0084	-.0167
4.54	3.00	.6780	.0949	-.0493	.0062	-.0196	-.1321	.6884	.0334	.0048	-.0200
4.54	3.00	.6791	.0961	-.0492	.0054	-.0186	-.1300	.6836	.0345	.0041	-.0189
8.67	3.00	1.4827	.1733	-.1417	.0064	-.0196	-.1331	1.4924	-.0347	.0036	-.0203
8.67	3.00	1.4827	.1728	-.1346	.0046	-.0196	-.1309	1.4922	-.0362	.0019	-.0201
13.16	3.00	2.0120	.3006	-.1602	.0147	-.0117	-.1088	2.0367	-.0990	.0119	-.0145
13.15	3.00	2.0104	.3299	-.1626	.0148	-.0119	-.1083	2.0350	-.0953	.0120	-.0146
15.27	3.00	2.2358	.4583	-.1626	.0026	-.0198	-.1099	2.2802	-.0962	-.0023	-.0198
15.26	3.00	2.2294	.4565	-.1640	.0034	-.0208	-.1082	2.2736	-.0964	-.0018	-.0210
17.30	3.00	2.2913	.5751	-.1342	-.0104	-.0311	-.0976	2.3615	-.0789	-.0106	-.0270
17.30	3.00	2.2950	.5772	-.1433	-.0110	-.0351	-.0977	2.3652	-.0777	-.0202	-.0307
19.29	3.00	2.2742	.6920	-.2777	.0008	-.0237	-.0889	2.3767	-.0446	-.0066	-.0228
19.29	3.00	2.2678	.6909	-.2435	.0012	-.0228	-.0953	2.3703	-.0437	-.0059	-.0220
21.32	3.00	2.3361	.7923	-.3263	.0035	-.0111	-.0907	2.4662	-.0544	-.0005	-.0116
21.33	3.00	2.3430	.7853	-.3294	.0015	-.0116	-.0888	2.4703	-.0634	-.0026	-.0114
25.36	3.00	2.4070	.9133	-.3630	.0082	.0004	-.0723	2.5739	-.0549	.0077	-.0027
25.36	3.00	2.4097	.9135	-.3621	.0086	-.0014	-.0707	2.5764	-.0557	.0074	-.0045
29.38	3.00	2.4476	1.0565	-.3775	.0084	.0013	-.0735	2.6696	-.0304	.0082	-.0022
29.39	3.00	2.4508	1.1042	-.3648	.0074	-.0014	-.0659	2.7282	-.0310	.0060	-.0045
29.39	3.00	2.4534	1.1222	-.3615	.0074	-.0006	-.0663	2.7277	-.0040	.0064	-.0038
29.33	3.00	2.4420	1.3500	-.4802	.0036	-.0094	-.1011	2.7016	.0925	.0040	-.0128
29.33	3.00	2.3569	1.3517	-.4666	.0055	-.0109	-.0904	2.7355	.0869	.0033	-.0141
31.32	3.00	2.3388	1.4590	-.4413	.0106	-.0084	-.0899	2.7549	.0941	.0090	-.0125
31.32	3.00	2.3302	1.4513	-.4387	.0090	-.0120	-.0927	2.7437	.0918	.0018	-.0148

Table 2 (Continued)

Run No. 104

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_m$	$\gamma_{n,w}$	$\gamma_{l,s}$	$\gamma_Y$	$\gamma_K$	$\gamma_i$	$\gamma_1$	$\gamma_2$
-8.45	6.00	-9295	.1076	-.0653	.0166	-.0197	-.3085	-.9354	-.0288	.0193	-.0172
-8.45	6.00	-9306	.1073	-.0639	.0174	-.0198	-.3126	-.9364	-.0232	.0199	-.0172
-4.12	6.00	-3262	.0649	-.0357	.0145	-.0273	-.3063	-.3299	.0420	.0164	-.0262
-4.12	6.00	-3246	.0644	-.0374	.0144	-.0280	-.3100	-.3283	.0416	.0163	-.0269
.21	6.00	.2695	.0596	-.0480	.0121	-.0327	-.2943	.2895	.0596	.0121	-.0327
.21	6.00	.2684	.0600	-.0529	.0121	-.0322	-.2933	.2884	.0600	.0121	-.0321
4.55	6.00	.9021	.0928	-.0795	.0087	-.0349	-.2682	.9064	.0296	.0062	-.0354
4.55	6.00	.9026	.0923	-.0771	.0082	-.0347	-.2676	.9069	.0291	.0057	-.0352
8.78	6.00	1.3236	.1363	-.1190	.0076	-.0401	-.2638	1.3301	-.0473	.0020	-.0408
8.78	6.00	1.3249	.1384	-.1212	.0084	-.0392	-.2517	1.3312	-.0474	.0028	-.0399
13.14	6.00	2.0041	.3256	-.1722	.0204	-.0327	-.2366	2.0280	-.0982	.0131	-.0362
13.14	6.00	2.0020	.3249	-.1651	.0194	-.0330	-.2414	2.0258	-.0985	.0121	-.0363
15.23	6.00	2.1835	.4567	-.1769	.0095	-.0394	-.2395	2.2291	-.0851	.0003	-.0406
15.23	6.00	2.1760	.4582	-.1667	.0093	-.0400	-.2402	2.2222	-.0818	.0007	-.0410
17.24	6.00	2.1989	.5738	-.2234	-.0049	-.0639	-.2272	2.2719	-.0545	.0223	-.0600
17.24	6.00	2.1866	.5716	-.2276	-.0049	-.0613	-.2266	2.2595	-.0533	.0217	-.0581
19.27	6.00	2.2491	.6891	-.2506	.0030	-.0456	-.2101	2.3519	-.0394	.0112	-.0442
19.27	6.00	2.2464	.6867	-.2389	.0033	-.0447	-.2158	2.3486	-.0410	.0107	-.0435
21.31	6.00	2.3242	.7924	-.3247	.0027	-.0287	-.1951	2.4550	-.0503	.0073	-.0476
21.32	6.00	2.3333	.7930	-.3107	.0040	-.0314	-.1977	2.4638	-.0528	.0070	-.0309
21.34	6.00	2.3813	.9160	-.3287	.0050	-.0153	-.1724	2.5510	-.0426	.0011	-.0161
23.34	6.00	2.3802	.9146	-.3482	.0071	-.0177	-.1712	2.5495	-.0437	.0000	-.0190
25.37	6.00	2.4283	1.0468	-.3596	.0067	-.0158	-.1526	2.6440	-.0314	.0003	-.0171
25.37	6.00	2.4315	1.0426	-.3630	.0079	-.0144	-.1505	2.6453	-.0365	.0014	-.0163
27.38	6.00	2.4597	1.1992	-.3788	.0124	-.0169	-.1376	2.7365	-.0004	.0036	-.0206
27.38	6.00	2.4576	1.3073	-.3272	.0166	.0642	.9235	2.7819	.0976	.0430	.0504
29.31	6.00	2.3285	1.3403	-.4492	.0119	-.0288	-.1623	2.6852	.0902	.0030	-.0309
29.31	6.00	2.3397	1.3435	-.4469	.0096	-.0268	-.1652	2.6965	.0876	.0039	-.0283
31.26	6.00	2.2251	1.4411	-.3323	.0068	-.0567	-.1532	2.6475	.1355	.0225	-.0525
31.26	6.00	2.2224	1.4423	-.3245	.0082	-.0557	-.1443	2.6458	.1379	.0208	-.0523

Table 2 (Continued)

$\alpha$	$\beta$	$\gamma_L$	$\gamma_D$	$\gamma_H$	$\gamma_{H,W}$	$\gamma_{L,S}$	$\gamma_Y$	$\gamma_N$	$\gamma_A$	$\gamma_n$	$\gamma_l$
-8.53	.00	-1.1104	.1295	.1322	.0046	-.0046	-.0094	-2.1176	-.0263	.0052	-.0039
-8.53	.00	-.11088	.1301	.1270	.0032	-.0020	-.0077	-1.1161	-.0255	.0034	-.0016
-4.16	.00	-.4206	.0700	.0522	.0072	-.0061	-.0170	-.4244	.0404	.0076	-.0056
-4.16	.00	-.4190	.0705	.0598	.0069	-.0061	-.0169	-.4229	.0411	.0073	-.0057
.20	.00	.2371	.0631	-.0148	.0037	-.0055	-.0041	.2371	.0631	.0037	-.0055
.20	.00	.2430	.0634	-.0209	.0039	-.0059	-.0041	.2430	.0634	.0039	-.0055
4.55	.00	.9215	.0547	-.0471	.0035	-.0053	-.0046	.9308	.0298	.0005	-.0053
4.55	.00	.9324	.0551	-.0473	.0011	-.0032	-.0030	.9350	.0302	.0006	-.0052
8.95	.00	1.6035	.1903	-.2630	-.0034	-.0041	-.0057	1.6116	-.0584	-.0032	-.0030
8.95	.00	1.6051	.1976	-.2673	-.0041	-.0036	-.0044	1.6126	-.0574	-.0045	-.0031
13.23	.00	.1409	.3726	.3339	.0028	-.0040	.0004	2.7715	-.0607	.0045	-.0045
15.23	.00	2.1393	.3725	.3309	.0131	-.0040	.0062	2.1699	-.0604	.0022	-.0045
15.52	.00	2.4311	.4780	.3872	.0031	-.0047	.0125	2.4745	-.1243	.0017	-.0052
15.36	.00	2.4300	.4780	.3895	.0031	-.0044	.0151	2.4734	-.1241	.0027	-.0050
17.44	.00	2.5357	.5928	.4730	.0017	-.0061	.0146	2.6016	-.1299	-.0001	-.0053
17.44	.00	2.5457	.5905	.4717	.0016	-.0012	.0167	2.6099	-.1341	.0020	-.0053
19.40	.00	2.4684	.7140	.5127	.0095	.0032	.0195	2.5744	-.0647	.0100	-.0001
19.40	.00	2.4695	.7112	.5013	.0111	.0042	.0194	2.5745	-.0677	.0118	.0006
21.46	.00	2.5719	.8359	.6062	.0125	.0090	.0226	2.7037	-.0927	.0149	.0042
21.46	.00	2.5724	.8371	.6084	.0136	.0078	.0183	2.7026	-.0942	.0156	.0026
21.50	.00	2.6439	.9132	.6406	.0127	.0165	.0029	2.8196	-.0789	.0179	.0105
23.40	.00	2.6412	.9797	.6284	.0138	.0141	-.0047	2.8158	-.0610	.0161	.0079
25.50	.00	2.6503	1.1166	.6439	.0086	.0168	.0061	2.8729	-.0631	.0146	.0119
25.50	.00	2.6599	1.1147	.6325	.0095	.0126	.0030	2.8833	-.0636	.0139	.0078
27.52	.00	2.6801	1.9788	.6678	.0084	.0169	.0050	2.9695	-.0255	.0150	.0115
27.52	.00	2.6801	1.206	.6569	.0075	.0182	.0125	2.9703	-.0237	.0147	.0131
29.48	.00	2.6071	1.4450	.8013	.0135	.0088	-.0238	2.9803	.0519	.0100	.0015
29.48	.00	2.6097	1.4463	.8130	.0117	.0050	-.0222	2.9812	.0510	.0130	-.0003
31.40	.00	2.4647	1.5472	.8065	.0145	.0405	-.0206	2.9080	.1076	.0368	.0278
31.40	.00	2.4647	1.5460	.8090	.0132	.0378	-.0179	2.9074	.1045	.0303	.0261

Table 2 (Continued)

Run No. 106

$\alpha$	$\beta$	$\alpha_1$	$\alpha_2$	$\alpha_3$	$\alpha_4$	$\alpha_5$	$\alpha_6$	$\alpha_7$	$\alpha_8$	$\alpha_9$	$\alpha_{10}$
-6.53	3.00	-1.0863	.1336	.1067	.0076	.0150	-.1504	-1.0943	-.0138	.0096	-.0138
-6.53	3.00	-1.0905	.1338	.1064	.0075	.0147	-.1404	-.7945	-.0135	.0095	-.0135
-4.16	3.00	-1.4026	.0749	.0426	.0102	.0213	-.595	-.4070	.0115	.0115	.0205
-4.15	3.00	-1.4017	.0741	.0426	.0103	.0204	-.595	-.4059	.0116	.0116	.0196
.21	3.00	.2595	.0683	-.0339	.0073	.0221	-.1474	.2595	.0073	.0073	.0221
.21	3.00	.2664	.0682	-.0350	.0071	.0217	-.1452	.2664	.0071	.0071	.0217
4.58	3.00	.0388	.0984	-.1423	.0034	.0230	-.1359	.9434	.0327	.0018	-.0232
4.57	3.00	.0335	.0960	-.1431	.0034	.0229	-.1353	.9360	.0326	.0018	.0231
8.94	3.00	1.6102	.1714	-.2919	.0019	.0223	-.1315	1.6184	-.0542	-.0013	.0223
8.94	3.00	1.6107	.1745	-.3049	.0038	.0217	-.1328	1.6193	-.0514	.0007	.0220
13.25	3.00	2.1795	.3844	-.3541	.0046	.0231	-.1227	2.2117	-.0772	-.0003	.0235
13.24	3.00	2.1714	.3836	-.3490	.0045	.0236	-.1216	2.2038	-.0760	-.0005	.0240
15.36	3.00	2.1102	.4653	-.4064	.0005	.0314	-.0939	2.4560	-.1120	.0071	.0306
15.36	3.00	2.1118	.4912	-.3963	.0012	.0336	-.0910	2.4590	-.1068	.0093	.0323
17.39	3.00	2.4582	.6123	-.3951	.0111	.0330	-.0870	2.5323	-.0891	.0197	.0287
17.38	3.00	2.4438	.6135	-.3935	.0096	.0312	-.0844	2.5182	-.0839	.0177	.0273
19.38	3.00	2.4465	.7271	-.5438	.0012	.0246	-.0808	2.5514	-.0645	-.0065	.0237
19.39	3.00	2.4545	.7321	-.5359	.0019	.0229	-.0784	2.5605	-.0622	.0053	.0224
21.45	3.00	2.5649	.8506	-.6227	.0070	.0116	-.0776	2.7011	-.0770	.0027	.0133
21.45	3.00	2.5649	.8514	-.6211	.0069	.0134	-.0734	2.7014	-.0772	.0020	.0149
23.48	3.00	2.6278	.9858	-.6418	.0072	.0051	-.0646	2.8057	-.0704	.0048	.0074
23.48	3.00	2.6305	.9842	-.6373	.0059	.0058	-.0563	2.8076	-.0728	.0033	.0076
25.50	3.00	2.6684	1.1281	-.6562	.0063	.0051	-.0646	2.8945	-.0548	.0037	.0071
25.50	3.00	2.6646	1.1283	-.6585	.0054	.0055	-.0638	2.8932	-.0530	.0027	.0072
27.51	3.00	2.6764	1.2845	-.6594	.0057	.0066	-.0614	2.9665	-.0188	.0022	.0084
27.51	3.00	2.6881	1.2806	-.6846	.0057	.0079	-.0648	2.9774	-.0274	.0016	.0095
29.47	3.00	2.6028	1.4485	-.7885	.0083	.0142	-.0905	2.9781	.0570	.0006	.0164
29.47	3.00	2.6070	1.4505	-.7857	.0077	.0141	-.0905	2.9826	.0568	.0002	.0160
31.40	3.00	2.4700	1.5511	-.7982	.0063	.0203	-.0705	2.9146	.1083	.0173	.0134
31.40	3.00	2.4756	1.5453	-.8073	.0072	.0228	-.0670	2.9167	.1003	.0176	.0161



Table 2 (Continued)

Run No. 107

$\tau$	$\beta$	$\zeta_L$	$\zeta_D$	$\zeta_m$	$\zeta_{n,w}$	$\zeta_{l,s}$	$\zeta_y$	$\bar{n}$	$\zeta_A$	$\zeta_n$	$\zeta_i$
8.52	6.00	-1.0682	1.281	.0835	.0117	-.0264	-.3032	-1.0756	-.0219	.0153	-.0245
-8.52	6.00	-1.0655	1.270	.0907	.0120	-.0264	-.2996	-1.0728	-.0225	.0155	-.0245
-4.15	6.00	-.3860	.0685	.0269	.0137	-.0361	-.3130	-.3838	.0416	.0152	-.0351
-4.15	6.00	-.3844	.0696	.0257	.0138	-.0353	-.3079	-.3883	.0426	.0152	-.0343
.21	6.00	-.2879	.0625	-.0552	.0110	-.0381	-.3005	-.2878	.0625	.0110	-.0381
.21	6.00	-.2863	.0623	-.0545	.0110	-.0383	-.2946	-.2863	.0623	.0110	-.0383
4.58	6.00	.9592	.0936	-.1574	.0057	-.0389	-.2696	.9633	.0265	.0030	-.0392
4.58	6.00	.9565	.0946	-.1586	.0057	-.0397	-.2698	.9608	.0276	.0030	-.0400
8.95	6.00	1.6315	1.716	-.2944	.0068	-.0397	-.2610	1.6395	-.0572	.0012	-.0402
8.95	6.00	1.6321	1.720	-.2951	.0071	-.0390	-.2839	1.6746	-.1888	.0015	-.0405
13.25	6.00	2.1993	3.381	-.3964	.0209	-.0293	-.2357	2.2215	-.1265	.0143	-.0330
13.25	6.00	2.1983	3.377	-.4063	.0209	-.0284	-.2346	2.2204	-.1268	.0146	-.0321
15.35	6.00	2.3914	4.805	-.4403	.0065	-.0361	-.2298	2.4424	-.1137	-.0024	-.0366
15.35	6.00	2.3914	4.808	-.4447	.0064	-.0392	-.2261	2.4367	-.1120	-.0033	-.0396
17.37	6.00	2.4395	5.970	-.5190	-.0033	-.0410	-.2204	2.5095	-.0986	-.0145	-.0385
17.37	6.00	2.4315	5.932	-.5282	-.0040	-.0478	-.2228	2.5008	-.0999	-.0170	-.0449
19.39	6.00	2.4709	7.276	-.5208	-.0004	-.0370	-.1899	2.5748	-.0716	-.0118	-.0350
19.39	6.00	2.4780	7.242	-.5275	-.0009	-.0369	-.1945	2.5748	-.0751	-.0122	-.0349
21.43	6.00	2.5354	8.422	-.6163	-.0007	-.0322	-.1681	2.6706	-.0758	-.0117	-.0300
21.43	6.00	2.5445	8.471	-.6283	.0013	-.0307	-.1696	2.6808	-.0742	-.0093	-.0292
23.47	6.00	2.6187	9.792	-.7786	.0034	-.0202	-.1471	2.7947	-.0731	-.0044	-.0200
23.47	6.00	2.6208	9.752	-.7843	.0040	-.0221	-.1499	2.7952	-.0775	-.0046	-.0219
25.49	6.00	2.6560	1.1233	-.8466	.0018	-.0237	-.1315	2.8832	-.0540	-.0080	-.0223
25.49	6.00	2.6588	1.1183	-.8502	.0014	-.0237	-.1310	2.8783	-.0574	-.0084	-.0222
27.50	6.00	2.6704	1.2749	-.8588	.0074	-.0266	-.1190	2.9590	-.0247	-.0050	-.0271
27.50	6.00	2.6763	1.2786	-.8773	.0075	-.0262	-.1180	2.9659	-.0240	-.0048	-.0268
29.45	6.00	2.5956	1.4848	-.7864	.0060	-.0419	-.1520	2.9518	.0442	-.0143	-.0398
29.45	6.00	2.5914	1.4317	-.7984	.0077	-.0384	-.1478	2.9602	.0475	-.0112	-.0375
31.36	6.00	2.4112	1.4410	-.6475	.0015	-.0247	-.1481	2.8586	1.289	-.0310	-.0568
31.36	6.00	2.4187	1.5385	-.6145	.0016	-.0487	-.1305	2.8639	1.230	-.0229	-.0430



Table 2 (Continued)

Run No. 109

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_M$	$C_{M,V}$	$C_{L,s}$	$C_Y$	$C_M$	$C_A$	$C_M$	$C_L$
-8.52	3.00	-1.0681	1.302	.1041	-.0032	-.0085	-.1161	-1.0758	-.0198	-.0020	-.0089
-8.52	3.00	-1.0681	1.309	.1066	-.0034	-.0087	-.1145	-1.0759	-.0190	-.0021	-.0090
-4.14	3.00	-.3766	.0729	.0402	-.0015	-.0159	-.1231	-.3808	.0465	-.0004	-.0159
-4.14	3.00	-.3798	.0784	.0427	-.0005	-.0153	-.1230	-.3839	.0457	.0005	-.0153
.23	3.00	.2957	.0672	-.0903	-.0038	-.0184	-.1099	-.2957	.0672	-.0038	-.0184
.23	3.00	.2984	.0658	-.0917	-.0038	-.0180	-.1098	-.2984	.0657	-.0038	-.0180
4.59	3.00	.9660	.0999	-.1460	-.0075	-.0803	-.1086	.9706	.0323	-.0089	-.0197
4.59	3.00	.9644	.0998	-.1501	-.0069	-.0806	-.1094	.9690	.0323	-.0083	-.0201
8.96	3.00	1.6353	.1736	-.2979	-.0072	-.0818	-.1094	1.6435	-.0556	-.0102	-.0806
8.96	3.00	1.6395	.1752	-.3037	-.0063	-.0199	-.0985	1.6479	-.0547	-.0090	-.0188
11.13	3.00	1.9649	.2378	-.3711	-.0027	-.0181	-.0931	1.9763	-.1070	-.0058	-.0174
11.13	3.00	1.9606	.2362	-.3701	-.0035	-.0190	-.0968	1.9718	-.1078	-.0067	-.0181
13.25	3.00	2.1901	.3086	-.3564	-.0027	-.0233	-.0985	2.2218	-.0811	-.0075	-.0222
13.25	3.00	2.1859	.3038	-.3583	-.0029	-.0231	-.1034	2.2178	-.0790	-.0076	-.0220
15.39	3.00	2.4571	.4896	-.4374	-.0039	-.0801	-.0779	2.5025	-.1194	-.0085	-.0185
15.39	3.00	2.4577	.4934	-.4357	-.0044	-.0884	-.0766	2.5040	-.1158	-.0096	-.0206
17.41	3.00	2.4993	.6099	-.4501	-.0055	-.0169	-.0898	2.5706	-.1027	-.0099	-.0147
17.41	3.00	2.4984	.6095	-.4559	-.0052	-.0164	-.0899	2.5638	-.1011	-.0095	-.0143
19.40	3.00	2.4796	.7216	-.4998	-.0025	-.0181	-.0784	2.5811	-.0800	-.0013	-.0122
19.40	3.00	2.4844	.7390	-.5784	-.0036	-.0088	-.0723	2.6279	-.0811	-.0007	-.0095
19.42	3.00	2.5212	.7309	-.5874	-.0013	-.0106	-.0737	2.6236	-.0840	-.0080	-.0105
19.41	3.00	2.4961	.7886	-.5844	-.0002	-.0103	-.0735	2.5990	-.0784	-.0030	-.0098
21.46	3.00	2.5926	.8516	-.6832	-.0036	-.0095	-.0668	2.7260	-.0860	-.0030	-.0102
21.46	3.00	2.5986	.8492	-.6891	-.0031	-.0084	-.0704	2.7267	-.0887	-.0001	-.0089
23.49	3.00	2.6384	.9910	-.6393	-.0076	-.0027	-.0570	2.8156	-.0687	-.0060	-.0053
23.49	3.00	2.6374	.9896	-.6339	-.0086	-.0045	-.0599	2.8046	-.0742	-.0063	-.0073
25.50	3.00	2.6966	1.1384	-.6463	-.0075	-.0056	-.0702	2.8789	-.0406	-.0046	-.0081
25.50	3.00	2.6460	1.1352	-.6355	-.0072	-.0042	-.0728	2.8789	-.0392	-.0049	-.0067
27.50	3.00	2.6598	1.2950	-.6533	-.0095	-.0054	-.0674	2.9583	-.0020	-.0062	-.0090
27.51	3.00	2.6737	1.3035	-.6798	-.0070	-.0083	-.0757	2.9745	-.0005	-.0027	-.0105
29.47	3.00	2.5969	1.4504	-.7453	-.0063	-.0160	-.0842	2.9738	-.0615	-.0080	-.0170
29.46	3.00	2.5921	1.4441	-.7576	-.0069	-.0168	-.0807	2.9666	-.0582	-.0018	-.0181
31.33	3.00	2.3521	1.5468	-.6588	-.0136	-.0145	-.0538	2.8103	.1635	-.0080	-.0179
31.33	3.00	2.3542	1.5515	-.6690	-.0063	-.0156	-.0444	2.8045	.1665	-.0023	-.0166

Table 2 (Continued)

Run No. 110

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,V}$	$C_{L,e}$	$C_F$	$C_M$	$C_A$	$C_M$	$C_L$
-8.50	6.00	-1.0346	.0777	.0031	-.0104	-.0133	-.2303	-.0428	-.0175	-.0084	-.0146
-8.50	6.00	-1.0303	.1210	.0084	-.0104	-.0137	-.2313	-.0150	-.0150	-.0064	-.0150
-4.14	6.00	-.3593	.0708	.0376	-.0095	-.0151	-.0323	-.3132	.0456	-.0078	-.0257
-4.14	6.00	-.3614	.0705	.0403	-.0093	-.0249	-.2404	-.3054	.0456	-.0075	-.0255
.24	6.00	.3279	.0049	-.0531	-.0106	-.0315	-.2240	.3279	.0049	-.0104	-.0315
.23	6.00	.3268	.0639	-.0547	-.0127	-.0319	-.2239	.3268	.0639	-.0127	-.0319
4.59	6.00	.9632	.0975	-.11592	-.0149	-.0334	-.2051	.9675	.0287	-.0171	-.0323
4.59	6.00	.9827	.0972	-.1539	-.0147	-.0339	-.2045	.9570	.0264	-.0170	-.0328
8.96	6.00	1.6646	.1776	-.2996	-.0107	-.0350	-.2003	.9731	-.0558	-.0157	-.0348
8.96	6.00	1.6657	.1773	-.3962	-.0124	-.0366	-.2019	1.6744	-.0563	-.0174	-.0345
11.13	6.00	1.9705	.2408	-.3636	-.0096	-.0350	-.1365	1.9823	-.1050	-.0155	-.0328
1.13	6.00	1.9710	.2404	-.3677	-.0099	-.0350	-.1365	1.9823	-.1050	-.0158	-.0327
13.27	6.00	2.2281	.3463	-.3996	.0026	-.0274	-.1821	2.2514	-.1245	-.0031	-.0273
13.27	6.00	2.2287	.3473	-.4006	.0029	-.0274	-.1806	2.2521	-.1230	-.0026	-.0273
15.35	6.00	2.4000	.4815	-.4443	-.0079	-.0374	-.1821	2.4464	-.1086	-.0167	-.0344
15.35	6.00	2.3947	.4886	-.4591	-.0070	-.0372	-.1829	2.4417	-.1053	-.0158	-.0344
17.38	6.00	2.4501	.5992	-.5224	-.0116	-.0428	-.1937	2.5204	-.0994	-.0229	-.0360
17.38	6.00	2.4504	.5987	-.5308	-.0104	-.0423	-.1863	2.5243	-.1010	-.0217	-.0378
19.40	6.00	2.4880	.7321	-.5239	-.0105	-.0392	-.1538	2.5924	-.0726	-.0220	-.0340
19.40	6.00	2.4832	.7322	-.5273	-.0094	-.0403	-.1539	2.5779	-.0710	-.0214	-.0354
21.44	6.00	2.5156	.8591	-.6006	-.0071	-.0317	-.1328	2.5914	-.0653	-.0175	-.0273
21.43	6.00	2.5466	.8560	-.6057	-.0076	-.0336	-.1437	2.6858	-.0657	-.0187	-.0292
23.47	6.00	2.6112	.9866	-.6197	-.0051	-.0248	-.1257	2.7906	-.0634	-.0140	-.0211
23.47	6.00	2.6085	.9900	-.6186	-.0044	-.0247	-.1260	2.7894	-.0592	-.0133	-.0212
25.48	6.00	2.6304	1.1364	-.6402	-.0022	-.0267	-.1272	2.8652	-.0317	-.0128	-.0235
25.48	6.00	2.6299	1.1369	-.6355	-.0009	-.0253	-.1316	2.8649	-.0311	-.0111	-.0228
27.46	6.00	2.5932	1.3010	-.7176	-.0022	-.0370	-.1400	2.9028	-.0317	-.0143	-.0341
27.46	6.00	2.5930	1.2984	-.7254	-.0003	-.0376	-.1440	2.8997	-.0302	-.0167	-.0336
29.45	6.00	2.5755	1.4440	-.7565	.0032	-.0360	-.1434	2.9519	-.0659	-.0123	-.0342
29.45	6.00	2.5816	1.4426	-.7518	.0050	-.0371	-.1491	2.9569	-.0616	-.0130	-.0351
31.39	6.00	2.4779	1.5606	-.6518	.0003	-.0688	-.1360	2.9261	-.1125	-.0341	-.0598
31.40	6.00	2.4832	1.5617	-.6550	-.0002	-.0690	-.1317	2.9313	-.1108	-.0346	-.0596

Table 2 (Continued)

Run No. 111

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,W}$	$C_{L,S}$	$C_T$	$C_M$	$C_A$	$C_M$	$C_A$	$C_M$	$C_T$
-8.02	.00	-.1771	.0310	-.2097	.0030	-.0003	-.0035	-.1796	.0060	.0030	.0002	.0002	.0002
-8.02	.00	-.1761	.0314	-.2152	.0016	-.0007	-.0009	-.1808	.0063	.0016	-.0005	.0016	-.0005
-4.01	.00	-.1950	.0188	-.1407	.0016	-.0009	-.0030	-.1559	.0079	.0017	-.0008	.0017	-.0008
-4.01	.00	-.1966	.0186	-.1387	.0017	-.0004	.0002	-.1575	.0077	.0016	-.0003	.0016	-.0003
-.01	.00	-.1442	.0117	-.0900	.0016	-.0015	-.0030	-.1442	.0117	.0016	-.0015	.0016	-.0015
-.01	.00	-.1442	.0107	-.0772	.0016	-.0008	.0013	-.1442	.0107	.0016	-.0008	.0016	-.0008
4.00	.00	-.1337	.0059	-.0134	.0017	-.0011	-.0051	-.1330	.0151	.0016	-.0012	.0016	-.0012
4.00	.00	-.1343	.0061	-.0131	.0017	-.0021	-.0020	-.1335	.0154	.0015	-.0021	.0015	-.0021
8.00	.00	-.1207	.0016	.0581	.0017	-.0013	-.0041	-.1193	.0163	.0015	-.0014	.0015	-.0014
8.00	.00	-.1208	.0020	.0755	.0017	-.0007	.0007	-.1204	.0169	.0016	-.0009	.0016	-.0009
12.01	.00	-.0890	.0004	.1197	.0018	-.0010	.0018	-.0870	.0168	.0016	-.0014	.0016	-.0014
12.01	.00	-.0926	.0005	.1202	.0019	-.0007	.0023	-.0875	.0191	.0017	-.0011	.0017	-.0011
16.02	.00	-.0464	.0010	.1791	.0018	-.0013	.0023	-.0462	.0143	.0014	-.0017	.0014	-.0017
16.02	.00	-.0468	.0013	.1799	.0018	-.0016	-.0025	-.0446	.0141	.0013	-.0020	.0013	-.0020
20.04	.00	-.0223	.0042	.2312	.0020	-.0017	-.0018	-.0195	.0116	.0013	-.0023	.0013	-.0023
20.04	.00	-.0223	.0046	.2332	.0019	-.0015	.0007	-.0193	.0119	.0013	-.0021	.0013	-.0021
24.05	.00	.0033	.0119	.2836	.0018	-.0020	-.0035	.0078	.0095	.0008	-.0025	.0008	-.0025
24.05	.00	.0044	.0119	.2836	.0019	-.0025	-.0030	.0088	.0091	.0007	-.0028	.0007	-.0028
28.07	.00	.0311	.0714	.3342	.0013	-.0021	-.0071	.0374	.0043	.0002	-.0034	.0002	-.0034
28.07	.00	.0300	.0211	.3333	.0014	-.0033	.0039	.0364	.0046	-.0003	-.0035	-.0003	-.0035
30.07	.00	.0439	.0268	.3604	.0012	-.0028	.0023	.0313	.0013	-.0003	-.0031	-.0003	-.0031
30.07	.00	.0444	.0272	.3567	.0011	-.0027	.0023	.0320	.0013	-.0004	-.0028	-.0004	-.0028

Table 2 (Continued)

Run No. 112

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,V}$	$C_{L,e}$	$C_Y$	$C_H$	$C_A$	$C_N$	$C_i$
-6.02	3.00	-.1668	.0404	-.2174	-.0047	.0045	-.0098	-.1708	.0166	-.0053	.0038
-8.02	3.00	-.1695	.0402	-.2180	-.0048	.0041	-.0129	-.1734	.0162	-.0052	.0034
-4.01	3.00	-.1436	.0276	-.1463	-.0049	.0033	-.0134	-.1451	.0175	-.0051	.0030
-4.01	3.00	-.1420	.0273	-.1437	-.0048	.0032	-.0155	-.1435	.0174	-.0050	.0028
-.01	3.00	-.1299	.0188	-.0781	-.0053	.0029	-.0067	-.1299	.0186	-.0053	.0029
-.01	3.00	-.1277	.0186	-.0768	-.0054	.0026	-.0119	-.1277	.0186	-.0054	.0026
4.00	3.00	-.1172	.0132	-.0200	-.0048	.0015	-.0172	-.1159	.0213	-.0047	.0018
4.00	3.00	-.1156	.0169	-.0136	-.0049	.0023	-.0104	-.1152	.0250	-.0047	.0026
8.01	3.00	-.1034	.0088	-.0509	-.0059	.0008	-.0085	-.1012	.0231	-.0057	.0016
8.00	3.00	-.1055	.0098	-.0500	-.0060	.0003	-.0171	-.1031	.0244	-.0059	.0011
12.01	3.00	-.0739	.0083	-.1160	-.0058	-.0007	-.0120	-.0706	.0235	-.0058	.0005
12.01	3.00	-.0750	.0080	-.1115	-.0060	-.0007	-.0131	-.0717	.0233	-.0059	.0005
16.02	3.00	-.0378	.0091	-.1677	-.0059	-.0017	-.0041	-.0338	.0191	-.0061	-.0001
16.02	3.00	-.0378	.0093	-.1707	-.0060	-.0019	-.0052	-.0338	.0193	-.0063	-.0002
20.04	3.00	-.0122	.0119	-.2219	-.0059	-.0036	-.0075	-.0074	.0153	-.0067	-.0013
20.04	3.00	-.0111	.0120	-.2213	-.0059	-.0036	-.0070	-.0063	.0151	-.0067	-.0014
24.05	3.00	.0150	.0188	-.2693	-.0059	-.0041	-.0057	-.0214	.0114	-.0070	-.0013
24.05	3.00	.0140	.0187	-.2694	-.0059	-.0043	-.0078	.0203	.0114	-.0071	-.0015
28.07	3.00	.0422	.0290	-.3205	-.0060	-.0045	-.0115	.0504	.0058	-.0074	-.0012
28.07	3.00	.0417	.0288	-.3171	-.0058	-.0034	-.0067	.0502	.0050	-.0067	-.0003
30.07	3.00	.0556	.0341	-.3427	-.0057	-.0040	-.0125	.0452	.0018	-.0069	-.0006
30.07	3.00	.0556	.0341	-.3446	-.0057	-.0040	-.0157	.0451	.0017	-.0069	-.0006

Table 2 (Continued)

Run No. 113

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{m,w}$	$C_{l,s}$	$C_y$	$C_H$	$C_A$	$C_n$	$C_l$
-8.02	6.00	-.1562	.0494	-.2134	-.0118	.0081	-.0238	-.1615	.0272	-.0128	.0064
-8.02	6.00	-.1540	.0503	-.2138	-.0117	.0079	-.0255	-.1595	.0284	-.0126	.0062
-4.01	6.00	-.1300	.0361	-.1428	-.0123	.0063	-.0250	-.1321	.0269	-.0126	.0055
-4.01	6.00	-.1294	.0359	-.1440	-.0123	.0066	-.0261	-.1316	.0268	-.0127	.0057
-.01	6.00	-.1132	.0239	-.0811	-.0131	.0094	-.0239	-.1132	.0299	-.0131	.0054
-.01	6.00	-.1143	.0233	-.0782	-.0126	.0059	-.0216	-.1143	.0283	-.0126	.0059
4.00	6.00	-.1021	.0215	-.0219	-.0146	.0045	-.0224	-.1004	.0285	-.0142	.0054
4.00	6.00	-.1032	.0225	-.0207	-.0141	.0048	-.0242	-.1014	.0296	-.0137	.0058
8.01	6.00	-.0869	.0180	-.0464	-.0148	.0029	-.0213	-.0835	.0299	-.0143	.0049
8.01	6.00	-.0874	.0175	-.0476	-.0146	.0028	-.0224	-.0841	.0295	-.0140	.0048
12.01	6.00	-.0599	.0154	.1068	-.0146	.0005	-.0197	-.0554	.0274	-.0142	.0035
12.01	6.00	-.0588	.0154	.1061	-.0146	-.0000	-.0207	-.0543	.0272	-.0143	.0030
16.03	6.00	-.0240	.0159	.1641	-.0159	.0030	-.0164	-.0187	.0219	-.0161	.0015
16.02	6.00	-.0267	.0156	.1650	-.0147	-.0026	-.0175	-.0214	.0223	-.0149	.0015
16.02	6.00	-.0283	.0167	.1651	-.0148	-.0027	-.0101	-.0226	.0239	-.0149	.0015
20.04	6.00	-.0000	.0195	.2138	-.0146	-.0056	-.0164	.0067	.0183	-.0156	-.0002
20.04	6.00	-.0000	.0197	.2133	-.0146	-.0056	-.0196	.0067	.0185	-.0157	-.0003
24.05	6.00	-.0261	.0263	.2584	-.0145	-.0077	-.0273	.0345	.0134	-.0163	-.0011
24.05	6.00	-.0261	.0259	.2613	-.0148	-.0079	-.0272	.0344	.0130	-.0167	-.0012
28.07	6.00	.0555	.0354	.3103	-.0140	-.0069	-.0270	.0656	.0052	-.0156	.0005
28.07	6.00	.0555	.0349	.3092	-.0140	-.0070	-.0302	.0653	.0048	-.0157	.0004
30.08	6.00	.0693	.0418	.3342	-.0132	-.0057	-.0241	.0809	.0016	-.0143	.0017
30.08	6.00	.0693	.0424	.3336	-.0133	-.0054	-.0205	.0812	.0021	-.0142	.0020

Table 2 (Continued)

Run No. 114

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{L,e}$	$C_Y$	$C_H$	$C_A$	$C_n$	$C_L$
-8.46	.00	-1.0203	.1326	.0547	.0029	.0003	.0007	-1.0287	-.0107	.0029	.0006
-8.46	.00	-1.0189	.1317	.0543	.0031	-.0000	-.0030	-1.0233	-.0109	.0030	.0004
-4.18	.00	-.4564	.0723	.0892	.0055	-.0009	-.0057	-.4603	.0403	.0056	-.0005
-4.18	.00	-.4569	.0711	.0910	.0053	-.0016	-.0054	-.4607	.0391	.0054	-.0014
.13	.00	.1017	.0594	.1005	.0053	-.0012	-.0035	.1017	.0544	.0053	-.0012
.13	.00	.1027	.0592	.0935	.0055	-.0007	-.0009	.1027	.0521	.0055	-.0007
4.42	.00	.6417	.0873	.1271	.0086	-.0007	-.0046	.6462	.0423	.0025	-.0008
4.42	.00	.6417	.0869	.1233	.0031	-.0002	-.0025	.6462	.0419	.0031	-.0003
8.73	.00	1.2131	.1608	.1312	.0065	-.0010	.0016	1.2237	-.0096	.0023	-.0013
8.73	.00	1.2137	.1613	.1317	.0067	-.0006	.0013	1.2242	-.0092	.0026	-.0009
13.03	.00	1.7675	.2723	.0994	.0019	-.0004	.0023	1.7655	-.1012	.0017	-.0007
13.03	.00	1.7664	.2724	.0997	.0019	-.0007	.0013	1.7645	-.1009	.0017	-.0011
15.14	.00	2.0007	.4000	.1083	-.0000	-.0018	-.0020	2.0300	-.0959	-.0004	-.0017
15.14	.00	1.9964	.4004	.1079	.0017	-.0014	.0029	2.0339	-.0945	.0013	-.0017
17.23	.00	2.1532	.5135	.0994	-.0107	-.0067	.0023	2.2113	-.0999	.0121	-.0035
17.23	.00	2.1532	.5137	.0170	-.0110	-.0066	.0034	2.2113	-.0997	-.0129	-.0052
19.26	.00	2.2135	.6386	-.2098	.0021	-.0017	.0173	2.3084	-.0767	.0015	-.0023
19.26	.00	2.2193	.6359	-.2139	.0032	-.0009	.0163	2.3072	-.0610	.0033	-.0001
19.26	.00	2.2177	.6368	-.2076	.0022	.0007	.0146	2.3059	-.0797	.0023	-.0000
19.26	.00	2.2108	.6384	-.2044	.0031	.0009	.0157	2.2998	-.0761	.0032	-.0001
21.30	.00	2.2801	.7500	-.2225	.0100	.0136	-.0035	2.3991	-.0751	.0141	.0094
21.30	.00	2.2833	.7479	-.2225	.0079	.0163	.0018	2.4014	-.0782	.0129	.0126
23.33	.00	2.3399	.8774	-.2935	.0093	.0162	-.0062	2.4981	-.0630	.0146	.0115
23.33	.00	2.3399	.8769	-.3052	.0081	.0181	-.0030	2.4987	-.0617	.0142	.0137
25.34	.00	2.3591	1.0157	-.2904	.0075	.0130	-.0050	2.5682	-.0316	.0121	.0089
25.34	.00	2.3649	1.0184	-.2935	.0071	.0102	.0029	2.5747	-.0315	.0106	.0065
27.35	.00	2.3796	1.1510	-.3038	.0058	.0094	.0082	2.6397	-.0068	.0076	.0023
27.35	.00	2.3745	1.1445	-.3085	.0055	.0077	.0075	2.6390	-.0141	.0082	.0045
29.31	.00	2.3047	1.3098	-.4680	.0087	.0091	.0071	2.6497	.0745	.0119	.0040
31.27	.00	2.2279	1.4062	-.4080	.0042	.0020	.0007	2.6384	.1039	.0151	.0177
31.27	.00	2.2337	1.3987	-.4096	.0011	.0038	-.0062	2.6337	.0943	.0128	.0201
31.27	.00	2.2300	1.4015	-.4102	.0034	.0034	-.0041	2.6319	.0907	.0146	.0186



Table 2 (Continued)

Run No. 115

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,v}$	$C_{L,s}$	$C_T$	$C_M$	$C_A$	$C_n$	$C_t$
-8.49	3.00	-1.0132	.1430	.6530	.0038	-.0032	-.1323	-1.0230	-.0004	.0049	-.0085
-8.48	3.00	-1.0111	.1423	.6544	.0044	-.0098	-.1345	-1.0210	.0003	.0056	-.0092
-4.17	3.00	-.4360	.0760	.6888	.0058	-.0140	-.327	-.1422	.0452	.0067	-.0135
-4.17	3.00	-.4374	.0766	.6916	.0056	-.0143	-.1366	-.1417	.0455	.0067	-.0136
.13	3.00	.1149	.0643	.6958	.0059	-.0155	-.1265	.1149	.0663	.0059	-.0155
.13	3.00	.1133	.0658	.6983	.0056	-.0157	-.1270	.1133	.0658	.0056	-.0157
4.43	3.00	.6636	.0959	.1071	.0049	-.0175	-.1186	.6687	.0494	.0037	-.0178
4.43	3.00	.6636	.0966	.1052	.0047	-.0181	-.1181	.6687	.0501	.0035	-.0183
8.74	3.00	1.2315	.1683	.1246	.0023	-.0211	-.1136	1.2429	-.0048	-.0006	-.0211
8.73	3.00	1.2294	.1669	.1245	.0020	-.0210	-.1154	1.2406	-.0056	-.0009	-.0211
13.03	3.00	1.7827	.2798	.0817	.0014	-.0215	-.1135	1.8018	-.0969	-.0031	-.0213
13.03	3.00	1.7827	.2787	.0875	.0009	-.0227	-.1213	1.8012	-.0999	-.0038	-.0224
15.15	3.00	2.0145	.3755	.0765	.0125	-.0163	-.1172	2.0454	-.1230	.0081	-.0188
15.15	3.00	2.0150	.3752	.0722	.0124	-.0166	-.1199	2.0459	-.1234	.0079	-.0193
17.21	3.00	2.1249	.5172	.0395	-.0134	-.0318	-.1066	2.1851	-.0886	-.0216	-.0268
17.21	3.00	2.1233	.5187	.0384	-.0135	-.0329	-.1125	2.1840	-.0867	-.0220	-.0279
19.27	3.00	2.2428	.6433	.1736	.0031	-.0274	-.1228	2.3318	-.0812	-.0055	-.0270
19.28	3.00	2.2556	.6432	.1742	.0023	-.0269	-.1238	2.3439	-.0853	-.0061	-.0262
21.30	3.00	2.2929	.7520	.2886	.0039	-.0064	-.1219	2.4118	-.0776	.0014	-.0073
21.30	3.00	2.2876	.7504	.2843	.0041	-.0032	-.1133	2.4062	-.0773	.0027	-.0044
23.32	3.00	2.3377	.8901	.2964	.0005	-.0045	-.0992	2.5009	-.0504	-.0013	-.0043
23.31	3.00	2.3217	.8894	.2890	.0016	-.0050	-.0976	2.4858	-.0451	-.0002	-.0053
25.34	3.00	2.3606	1.0318	.3041	.0002	-.0056	-.0878	2.5752	-.0175	-.0020	-.0052
25.34	3.00	2.3628	1.0289	.3060	-.0000	-.0078	-.0788	2.5770	-.0210	-.0032	-.0071
27.32	3.00	2.3270	1.1869	.3817	-.0074	-.0896	-.0896	2.6118	-.0467	-.0190	-.0220
27.31	3.00	2.3174	1.1856	.3814	-.0077	-.0885	-.0810	2.6026	.0497	-.0194	-.0223
29.33	3.00	2.3585	1.3268	.3884	-.0044	-.0282	-.0763	2.7053	.0643	-.0172	-.0228
29.33	3.00	2.3564	1.3220	.3972	-.0044	-.0276	-.0755	2.7011	.0610	-.0168	-.0223
31.27	3.00	2.2449	1.4027	.4053	-.0060	-.0055	-.0556	2.6454	.0923	-.0024	-.0077
31.28	3.00	2.2529	1.4109	.4165	-.0095	.0045	-.0664	2.6565	.0954	-.0060	-.0086

Table 2 (Continued)

Run No. 116

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,W}$	$C_{I,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
-8.47	6.00	-.9684	.1396	.0260	.0044	-.0181	-.2667	-.9784	.0034	.0069	-.0173
-8.47	6.00	-.9700	.1387	.0221	.0049	-.0176	-.2617	-.9799	.0023	.0073	-.0167
-4.17	6.00	-.4206	.0743	.0599	.0090	-.0269	-.2697	-.4247	.0448	.0068	-.0265
-4.17	6.00	-.4217	.0754	.0583	.0091	-.0264	-.2676	-.4259	.0458	.0069	-.0260
.13	6.00	.1316	.0645	.0689	.0053	-.0300	-.2548	.1316	.0645	.0053	-.0300
.13	6.00	.1337	.0646	.0738	.0056	-.0298	-.2516	.1337	.0645	.0056	-.0298
4.43	6.00	.6786	.0989	.1091	.0060	-.0349	-.2304	.6834	.0453	.0035	-.0352
4.42	6.00	.6765	.0922	.1057	.0056	-.0352	-.2389	.6812	.0448	.0030	-.0362
8.73	6.00	1.2385	.1689	.1206	.0027	-.0418	-.2352	1.2491	-.0111	-.0032	-.0418
8.73	6.00	1.2363	.1640	.1176	.0030	-.0415	-.2353	1.2471	-.0097	-.0028	-.0415
13.01	6.00	1.7563	.3014	.1064	.0103	-.0410	-.2322	1.7825	-.0707	.0015	-.0422
13.01	6.00	1.7545	.2991	.1088	.0098	-.0415	-.2352	1.7784	-.0722	.0009	-.0426
15.13	6.00	1.9904	.3723	.0677	.0130	-.0412	-.2360	2.0213	-.1203	.0026	-.0430
15.13	6.00	1.9984	.3730	.0672	.0136	-.0403	-.2383	2.0292	-.1215	.0035	-.0424
17.21	6.00	2.1349	.5230	.0691	-.0074	-.0575	-.2359	2.1963	-.0857	-.0229	-.0533
17.21	6.00	2.1392	.5217	.0691	-.0062	-.0499	-.2379	2.2001	-.0861	-.0210	-.0510
19.27	6.00	2.2594	.6430	.1690	.0030	-.0310	-.2277	2.3437	-.0894	-.0129	-.0494
19.27	6.00	2.2597	.6401	.1584	.0041	-.0522	-.2306	2.3459	-.0891	-.0122	-.0508
21.31	6.00	2.2597	.7586	.2468	-.0013	-.0325	-.2035	2.4205	-.0737	-.0123	-.0301
21.29	6.00	2.2764	.7543	.2441	.0011	-.0346	-.2060	2.3990	-.0704	-.0107	-.0328
22.29	6.00	2.2827	.8792	.2683	-.0032	-.0310	-.1882	2.4458	-.0399	-.0146	-.0276
23.20	6.00	2.2827	.8769	.2722	-.0041	-.0291	-.1775	2.4457	-.0402	-.0169	-.0255
25.32	6.00	2.3499	1.0244	.2699	-.0039	-.0329	-.1628	2.5688	-.0197	-.0174	-.0261
25.32	6.00	2.3499	1.0258	.2717	-.0045	-.0328	-.1587	2.5639	-.0187	-.0179	-.0290
27.32	6.00	2.3499	1.1540	.3540	-.0034	-.0339	-.1504	2.5686	-.0216	-.0186	-.0304
27.32	6.00	2.3499	1.1596	.3511	-.0034	-.0334	-.1596	2.6069	-.0187	-.0186	-.0304
29.33	6.00	2.3621	1.2718	.3925	-.0049	-.0398	-.1360	2.6886	-.0140	-.0230	-.0328
29.33	6.00	2.3600	1.2702	.3762	-.0038	-.0379	-.1367	2.6898	-.0206	-.0211	-.0317
31.29	6.00	2.7311	1.3075	.4060	-.0058	-.0086	-.1109	2.6882	-.0594	-.0093	-.0046
31.28	6.00	2.2715	1.3094	.4012	-.0060	-.0091	-.1196	2.6998	-.0640	-.0097	-.0048

Table 2 (Continued)

Run No. 117

$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
6.58	-6.00	.9631	.1203	.0910	.0046	.0369	.2532	.9903	.0169	.0086	.0382
6.58	-6.00	.9821	.1212	.0934	.0049	.0394	.2538	.9693	.0179	.0059	.0357
6.58	-3.00	.9609	.1254	.1120	.0045	.0131	.1308	.9686	.0242	.0065	.0185
6.58	-3.00	.9631	.1253	.1143	.0046	.0193	.1324	.9709	.0240	.0065	.0188
6.58	.00	.9276	.1205	.1308	.0050	.0000	.0108	.9351	.0229	.0050	.0005
6.58	.00	.9308	.1207	.1305	.0049	.0006	.0050	.9363	.0227	.0048	.0001
6.58	3.00	.9439	.1272	.1173	.0047	.0192	.1153	.9520	.0279	.0027	.0196
6.58	3.00	.9471	.1280	.1176	.0047	.0191	.1127	.9553	.0283	.0027	.0194
6.58	6.00	.9698	.1199	.1257	.0065	.0402	.2291	.9770	.0179	.0023	.0406
6.58	6.00	.9650	.1275	.1135	.0047	.0366	.2309	.9730	.0260	.0006	.0389
6.58	9.00	.9795	.1127	.1076	.0067	.0577	.3578	.9899	.0097	.0007	.0581
6.58	9.00	.9821	.1128	.1044	.0066	.0581	.3578	.9685	.0095	.0005	.0585
6.58	12.00	.9740	.0882	.0684	.0066	.0768	.4944	.9779	.0141	.0015	.0771
6.58	12.00	.9692	.0886	.0696	.0062	.0771	.4924	.9732	.0130	.0020	.0773
6.58	15.00	.9470	.0509	.0247	.0032	.0949	.6228	.9471	.0483	.0068	.0947
6.58	15.00	.9497	.0517	.0204	.0034	.0951	.6196	.9492	.0479	.0066	.0949
6.57	18.00	.9072	.0195	.0339	.0006	.1122	.7544	.9042	.0755	.0109	.1117
6.57	18.00	.9066	.0201	.0254	.0020	.1131	.7485	.9037	.0746	.0099	.1126
6.49	24.00	.7579	.0175	.0433	.0014	.1242	.9701	.7556	.0616	.0116	.1236
6.49	24.00	.7600	.0168	.0430	.0009	.1297	.9721	.7576	.0627	.0126	.1290
6.46	30.00	.6980	.0616	.0061	.0046	.1359	.9055	.6877	.342	.0096	.1356
6.46	30.00	.6964	.0613	.0015	.0046	.1337	.9012	.6862	.1337	.0095	.1334

Table 2 (Continued)

Run No. 118

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{m,v}$	$C_{l,s}$	$C_T$	$C_M$	$C_A$	$C_n$	$C_l$
6.56	-6.00	.9901	.1186	.1362	.0185	.0356	.1882	.9572	.0186	.0221	.0334
6.56	-6.00	.9970	.1135	.1253	.0280	.0355	.1866	.9636	.0129	.0256	.0330
6.57	-3.00	.9386	.1174	.1272	.0116	.0181	.0984	.9398	.0193	.0134	.0168
6.57	-3.00	.9337	.1176	.1286	.0127	.0180	.1000	.9409	.0194	.0145	.0166
6.56	.00	.9004	.1125	.1412	.0035	-.0008	.0050	.9072	.0178	.0034	-.0011
6.57	.00	.9031	.1147	.1405	.0032	-.0007	.0050	.9101	.0136	.0031	-.0010
6.57	3.00	.9805	.1221	.1308	-.0074	-.0178	-.0890	.9282	.0253	-.0092	-.0170
6.56	3.00	.9162	.1213	.1306	-.0051	-.0173	-.0889	.9238	.0248	-.0069	-.0167
6.56	6.00	.9898	.1203	.1243	-.0165	-.0340	-.1858	.9373	.0225	-.0800	-.0380
6.56	6.00	.9898	.1190	.1235	-.0166	-.0341	-.1878	.9371	.0212	-.0801	-.0382
6.56	9.00	.9487	.1094	.1332	-.0254	-.0514	-.2808	.9482	.0103	-.0306	-.0485
6.56	9.00	.9480	.1112	.1330	-.0253	-.0514	-.2800	.9444	.0115	-.0308	-.0484
6.57	12.00	.9823	.0898	.1302	-.0388	-.0658	.3796	.9866	-.0071	-.0454	-.0614
6.57	12.00	.9191	.0898	.1256	-.0386	-.0672	.3753	.9834	-.0068	-.0453	-.0627
6.54	15.00	.8868	.0999	.1189	-.0533	-.0814	-.4778	.8882	-.0331	-.0615	-.0754
6.54	15.00	.8862	.0602	.1131	-.0533	-.0815	-.4768	.8876	-.0328	-.0614	-.0754
6.54	18.00	.8587	.0886	.0907	-.0675	-.0962	-.5822	.8563	-.0673	-.0772	-.0886
6.54	18.00	.8592	.0880	.0889	-.0672	-.0964	-.5786	.8568	-.0680	-.0768	-.0888
6.48	24.00	.7334	.0155	.0935	-.0841	-.1068	-.7518	.7309	-.0612	-.0947	-.0974
6.48	24.00	.7256	.0167	.0932	-.0847	-.1058	-.7542	.7274	-.0596	-.0933	-.0964
6.45	30.00	.6634	-.0688	.0477	-.1054	-.1121	-.9050	.6531	-.1318	-.1165	-.1004
6.45	30.00	.6730	-.0680	.0430	-.1052	-.1122	-.9117	.6688	-.1380	-.1163	-.1006

Table 2 (Continued)

Run No. 119

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{t,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_t$
-8.49	.00	-1.0357	.1333	.1040	.0034	.0005	.0001	-.0142	-.0121	.0033	.0010
-8.49	.00	-1.0395	.1331	.1059	.0029	.0015	.0006	-.0170	-.0121	.0027	.0010
-4.19	.00	-.4793	.0689	.0707	.0008	.0000	.0003	-.0409	.0350	.0068	.0001
-4.19	.00	-.4793	.0686	.0694	.0005	.0007	.0014	-.0898	.0350	.0065	.0003
.10	.00	.0473	.0571	.0585	.0068	.0004	.0007	.0472	.0573	.0058	.0004
.10	.00	.0451	.0579	.0597	.0017	.0012	.0009	.0451	.0570	.0047	.0012
4.39	.00	.5831	.0775	.0176	.0031	.0001	.0002	.5870	.0367	.0031	.0001
4.39	.00	.5804	.0750	.0129	.0032	.0001	.0004	.5842	.0353	.0032	.0004
8.69	.00	1.1106	.1428	.0631	.0041	.0003	.0001	-.0144	-.0173	.0040	.0001
8.69	.00	1.1399	.1407	.0659	.0044	.0004	.0003	-.0145	-.0149	.0043	.0001
10.84	.00	1.4124	.1840	.1193	.0028	.0002	.0002	-.0280	-.0651	.0027	.0007
10.84	.00	1.4195	.1818	.1177	.0020	.0001	.0003	-.0274	-.0674	.0020	.0002
12.98	.00	1.6710	.2202	.1506	.0037	.0004	.0001	-.0610	-.1250	.0037	.0004
12.98	.00	1.6710	.2202	.1506	.0022	.0001	.0001	-.0610	-.1250	.0021	.0003
15.08	.00	1.8828	.2503	.1842	.0008	.0001	.0005	1.9110	-.0150	.0012	.0010
15.08	.00	1.8865	.2477	.1826	.0011	.0013	.0039	1.9140	-.0130	.0020	.0008
17.17	.00	2.0461	.2805	.2101	.0026	.0002	.0032	2.0047	-.0103	.0024	.0008
17.17	.00	2.0540	.2830	.2107	.0019	.0001	.0001	2.0910	-.0135	.0017	.0010
19.19	.00	2.0823	.3529	.2430	.0072	.0033	.0039	2.1512	-.0170	.0072	.0009
19.19	.00	2.0833	.3500	.2448	.0071	.0030	.0037	2.1513	-.0120	.0075	.0012
21.18	.00	2.0684	.6685	.5260	.0071	.0020	.0032	2.1723	-.0792	.0094	.0051
21.18	.00	2.0705	.6721	.5101	.0067	.0090	.0114	2.1755	-.0764	.0094	.0061
23.17	.00	2.0929	.7885	.5768	.0059	.0184	.0023	2.2359	-.0529	.0124	.0149
23.17	.00	2.0839	.7904	.5767	.0067	.0157	.0016	2.2862	-.0478	.0120	.0120
25.19	.00	2.0855	.8954	.5701	.0091	.0159	.0045	2.2693	-.0302	.0109	.0109
25.19	.00	2.1004	.9029	.5492	.0087	.0157	.0130	2.2860	-.0294	.0107	.0107
27.21	.00	2.1175	1.0009	.5721	.0102	.0121	.0039	2.3419	-.0287	.0144	.0064
27.21	.00	2.1143	.9981	.5743	.0094	.0101	.0096	2.3378	-.0295	.0131	.0056
29.22	.00	2.1420	1.1096	.5950	.0027	.0097	.0045	2.4122	-.0358	.0069	.0073
29.22	.00	2.1361	1.1093	.5993	.0050	.0080	.0055	2.4060	-.0234	.0081	.0048
31.24	.00	2.1847	1.2222	.5845	.0023	.0114	.0023	2.5030	-.0339	.0077	.0057
31.23	.00	2.1871	1.2183	.5774	.0042	.0095	.0023	2.4899	-.0284	.0062	.0060

Table 2 (Continued)

Run No. 120

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,V}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
-8.48	3.00	-1.0089	.1389	.0892	.0057	-.0066	-.1311	-1.0184	-.0029	.0065	-.0058
-8.48	3.00	-1.0116	.1372	.0926	.0072	-.0050	-.1385	-1.0208	-.0049	.0078	-.0039
-4.19	3.00	-.4593	.0735	.0500	.0066	-.0116	-.1380	-.4633	.0414	.0074	-.0111
-4.19	3.00	-.4572	.0733	.0594	.0036	-.0121	-.1401	-.4611	.0412	.0044	-.0118
.10	3.00	.0739	.0603	.0688	.0096	-.0138	-.1326	.0739	.0603	.0056	-.0138
.10	3.00	.0739	.0604	.0692	.0094	-.0136	-.1337	.0739	.0604	.0054	-.0136
4.39	3.00	.6028	.0389	.0099	.0031	-.0.3	-.1271	.6071	.0406	.0021	-.0150
4.39	3.00	.6039	.0386	.0135	.0032	-.0145	-.1276	.6082	.0402	.0022	-.0147
8.70	3.00	1.1627	.1461	-.0776	-.0010	-.0168	-.1241	1.1717	-.0171	-.0033	-.0165
8.70	3.00	1.1649	.1464	-.0771	-.0009	-.0172	-.1214	1.1732	-.0171	-.0033	-.0169
10.84	3.00	1.4214	.1881	-.1272	-.0016	-.0178	-.1181	1.4384	-.0616	-.0046	-.0173
10.84	3.00	1.4267	.1902	-.1305	-.0018	-.0176	-.1209	1.4380	-.0604	-.0049	-.0170
12.97	3.00	1.6669	.2635	-.1744	.0071	-.0172	-.1173	1.6892	-.0889	.0034	-.0182
12.97	3.00	1.6696	.2654	-.1747	.0060	-.0139	-.1210	1.6876	-.0904	.0030	-.0148
15.09	3.00	1.9083	.3866	-.2497	.0099	-.0110	-.1204	1.9306	-.1448	.0070	-.0130
15.09	3.00	1.9089	.3860	-.2493	.0106	-.0121	-.1252	1.9310	-.1455	.0074	-.0143
17.14	3.00	2.0022	.4460	-.3270	-.0093	-.0234	-.1284	2.0476	-.1232	-.0154	-.0199
17.14	3.00	1.9986	.4442	-.3266	-.0094	-.0247	-.1300	2.0379	-.1222	-.0158	-.0211
19.18	3.00	2.0801	.5619	-.4761	.0009	-.0165	-.1193	2.1519	-.1084	-.0042	-.0159
19.18	3.00	2.0716	.5685	-.4736	.0007	-.0172	-.1124	2.1440	-.1092	-.0047	-.0166
21.18	3.00	2.0758	.6728	-.5524	.0088	-.0093	-.1091	2.1407	-.0778	-.0006	-.0097
21.17	3.00	2.0636	.6749	-.5494	.0033	-.0094	-.1162	2.1699	-.0716	.0012	-.0062
23.19	3.00	2.0676	.7970	-.5854	.0048	.0037	-.1087	2.2333	-.0449	.0057	-.0016
23.20	3.00	2.1057	.7965	-.5824	.0059	.0037	-.1151	2.2507	-.0503	.0068	.0013
25.18	3.00	2.0774	.9073	-.5724	.0040	.0032	-.0850	2.2668	-.0161	.0023	-.0045
25.19	3.00	2.0886	.9061	-.5734	.0038	-.0037	-.0886	2.2766	-.0218	.0019	-.0051
27.21	3.00	2.1318	1.0049	-.6057	.0029	-.0151	-.0820	2.3566	-.0313	-.0040	-.0148
27.21	3.00	2.1276	1.0074	-.5931	.0020	-.0113	-.0800	2.3538	-.0273	-.0031	-.0110
29.22	3.00	2.1580	1.1196	-.6074	-.0016	-.0100	-.0722	2.4309	-.0246	-.0065	-.0089
29.23	3.00	2.1681	1.1104	-.6073	-.0013	-.0107	-.0670	2.4398	-.0294	-.0061	-.0088
31.24	3.00	2.1905	1.2296	-.6066	-.0039	-.0106	-.0711	2.5118	-.0304	-.0087	-.0072
31.23	3.00	2.1745	1.2246	-.6080	-.0045	-.0101	-.0730	2.4955	-.0267	-.0089	-.0065

Table 2 (Continued)

Run No. 121

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
-8.48	6.00	-.9855	.1291	.0575	.0087	-.0161	-.2929	-.9938	-.0094	.0108	-.0147
-8.48	6.00	-.9839	.1290	.0604	.0066	-.0160	-.2876	-.9924	-.0083	.0088	-.0149
-4.18	6.00	-.4372	.0671	.0369	.0088	-.0240	-.2887	-.4408	.0364	.0104	-.0233
-4.18	6.00	-.4393	.0693	.0347	.0090	-.0239	-.2895	-.4430	.0385	.0106	-.0232
.11	6.00	.0959	.0572	.0402	.0036	-.0244	-.2717	.0959	.0572	.0036	-.0244
.11	6.00	.0957	.0550	.0413	.0057	-.0271	-.2737	.0959	.0550	.0057	-.0271
4.39	6.00	.6194	.0789	.0014	.0028	-.0311	-.2511	.6234	.0355	.0036	-.0312
4.39	6.00	.6194	.0782	.0037	.0029	-.0314	-.2499	.6234	.0348	.0037	-.0315
8.69	6.00	1.1617	.1361	.0727	.0011	-.0390	-.2586	1.1693	-.0269	.0043	-.0387
8.69	6.00	1.1665	.1333	.0743	.0036	-.0393	-.2458	1.1736	-.0304	-.0014	-.0354
10.84	6.00	1.4345	.1833	.1357	-.0031	-.0396	-.2484	1.4445	-.0686	-.0092	-.0345
10.84	6.00	1.4419	.1851	.1349	-.0030	-.0397	-.2496	1.4521	-.0681	-.0091	-.0347
12.96	6.00	1.6639	.2534	.1827	.0060	-.0399	-.2413	1.6802	-.0981	-.0004	-.0304
12.96	6.00	1.6607	.2609	.1815	.0043	-.0324	-.2448	1.6706	-.0901	-.0085	-.0306
15.08	6.00	1.8960	.3236	.2581	.0091	-.0328	-.2446	1.9179	-.1447	.0009	-.0340
15.07	6.00	1.8901	.3214	.2599	.0089	-.0320	-.2449	1.9117	-.1454	.0009	-.0331
17.12	6.00	1.9680	.4447	.3645	-.0120	-.0494	-.2409	2.0143	-.1150	-.0240	-.0403
17.12	6.00	1.9808	.4452	.3782	-.0113	-.0461	-.2408	2.0268	-.1180	-.0235	-.0412
19.15	6.00	2.0284	.5591	.5017	-.0024	-.0364	-.2398	2.0962	-.0933	-.0135	-.0339
19.15	6.00	2.0368	.5596	.4970	-.0042	-.0393	-.2370	2.1100	-.0972	-.0149	-.0323
21.21	6.00	2.1317	.6686	.5750	.0016	-.0260	-.2417	2.2318	-.1008	-.0057	-.0201
21.19	6.00	2.0698	.6671	.5581	-.0004	-.0236	-.2323	2.1882	-.0865	-.0084	-.0420
23.18	6.00	2.0789	.7835	.5728	-.0018	-.0167	-.2160	2.2210	-.0523	-.0079	-.0148
23.18	6.00	2.0805	.7815	.5899	.0035	-.0235	-.2211	2.2218	-.0547	-.0055	-.0231
25.18	6.00	2.0811	.8933	.6013	-.0011	-.0260	-.1896	2.2644	-.0304	-.0116	-.0233
25.18	6.00	2.1147	.8978	.6014	.0001	-.0239	-.1819	2.2740	-.0297	-.0057	-.0219
27.19	6.00	2.1088	.9950	.6184	-.0023	-.0290	-.1796	2.3315	-.0367	-.0148	-.0251
29.22	6.00	2.1546	1.1003	.6135	-.0034	-.0265	-.1786	2.3315	-.0301	-.0147	-.0223
29.22	6.00	2.1637	1.1045	.6236	-.0034	-.0291	-.1548	2.4190	-.0401	-.0167	-.0240
31.20	6.00	2.1301	1.2258	.6119	-.0048	-.0276	-.1525	2.4890	-.0406	-.0172	-.0222
31.20	6.00	2.1301	1.2258	.6992	-.0058	-.0377	-.1502	2.4576	-.0035	-.0238	-.0298
31.21	6.00	2.1333	1.2268	.6790	-.0061	-.0379	-.1519	2.4609	-.0042	-.0242	-.0298

Table 2 (Continued)

Run No. 122

$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_M$	$C_{M,V}$	$C_{L,\delta}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
8.68	-6.00	1.1776	.1685	-.0644	-.0050	.0344	.2457	1.1893	.0010	-.0042	.0347
8.69	-6.00	1.1814	.1673	-.0670	-.0053	.0346	.2442	1.1931	.0013	-.0055	.0350
8.69	-3.00	1.1614	.1616	-.0611	.0000	.0163	.1151	1.1726	-.0016	.0029	.0161
8.69	-3.00	1.1614	.1601	-.0560	.0005	.0170	.1166	1.1724	-.0031	.0029	.0166
8.69	.00	1.1422	.1413	-.0648	.0025	.0005	.0034	1.1507	-.0191	.0025	.0002
8.70	.00	1.1427	.1419	-.0634	.0027	.0001	-.0004	1.1513	-.0185	.0027	-.0003
8.70	3.00	1.1643	.1463	-.0816	-.0014	-.0164	-.1209	1.1733	-.0171	-.0036	-.0160
8.70	3.00	1.1670	.1470	-.0824	-.0013	-.0175	-.1172	1.1761	-.0168	-.0037	-.0171
8.70	6.00	1.1782	.1418	-.0823	-.0016	-.0357	-.2463	1.1864	-.0236	-.0065	-.0352
8.70	6.00	1.1782	.1432	-.0839	-.0015	-.0359	-.2474	1.1866	-.0222	-.0064	-.0354
8.70	9.00	1.1980	.1263	-.0987	.0023	-.0529	-.3775	1.2038	-.0417	-.0051	-.0527
8.70	9.00	1.2006	.1277	-.1011	.0026	-.0537	-.3766	1.2067	-.0406	-.0049	-.0535
8.70	12.00	1.1861	.0981	-.1290	.0037	-.0710	-.5099	1.1882	-.0680	-.0062	-.0708
8.70	12.00	1.1904	.0991	-.1272	.0039	-.0710	-.5074	1.1926	-.0675	-.0060	-.0709
8.70	15.00	1.1693	.0595	-.1580	.0039	-.0887	-.6403	1.1661	-.1038	-.0085	-.0883
8.70	15.00	1.1789	.0614	-.1616	.0040	-.0883	-.6401	1.1759	-.1033	-.0083	-.0879
8.67	18.00	1.1076	.0324	-.1302	.0030	-.1009	-.7583	1.1013	-.1220	-.0111	-.1003
8.66	18.00	1.1081	.0332	-.1369	.0022	-.1007	-.7586	1.1019	-.1213	-.0116	-.1000
8.55	24.00	.8687	.0376	-.0623	.0036	-.1052	-.9488	.8655	-.0535	-.0110	-.1047
8.55	24.00	.8623	.0371	-.0572	.0051	-.1052	-.9445	.8590	-.0633	-.0095	-.1049
8.50	30.00	.7576	-.0073	-.1922	.0125	-.1003	-.11473	.7492	-.1126	-.0016	-.1016
8.50	30.00	.7582	-.0079	-.1974	.0119	-.0988	-.11428	.7497	-.1133	-.0020	-.0995



Table 2 (Continued).

Run No. 123

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{L,s}$	$C_T$	$C_M$	$C_A$	$C_n$	$C_i$
-8.50	.00	-1.0464	.1369	.0863	.0020	.0002	.0050	-1.0552	-.0101	.0020	.0004
-8.50	.00	-1.0475	.1371	.0871	.0033	-.0009	-.0004	-1.0563	-.0099	.0034	-.0005
-4.18	.00	-.4644	.0710	.1040	.0056	-.0009	.0002	-.4681	.0385	.0057	-.0005
-4.18	.00	-.4686	.0723	.1009	.0064	-.0021	-.0014	-.4725	.0304	.0064	-.0017
.11	.00	.0707	.0621	.1199	.0052	-.0013	-.0014	.0707	.0621	.0052	-.0013
.11	.00	.0723	.0614	.1247	.0053	-.0009	-.0014	.0723	.0614	.0053	-.0009
4.41	.00	.6215	.0879	.1225	.0034	-.0006	.0007	.6260	.0443	.0033	-.0008
4.41	.00	.6204	.0866	.1248	.0031	-.0005	.0007	.6250	.0451	.0031	-.0007
8.72	.00	1.1801	.1511	.1140	.0018	-.0024	.0023	1.1896	-.0146	.0014	-.0026
8.72	.00	1.1854	.1526	.1147	.0031	-.0013	.0007	1.1950	-.0139	.0029	-.0017
13.02	.00	1.7499	.2596	.0632	.0027	-.0016	.0029	1.7656	-.1098	.0023	-.0021
13.02	.00	1.7473	.2590	.0641	.0026	-.0019	.0023	1.7629	-.1099	.0021	-.0023
17.20	.00	2.1095	.4924	-.0770	-.0083	-.0101	.0162	2.1635	-.1081	-.0107	-.0074
17.16	.00	2.0364	.5100	-.0724	.0040	-.0018	.0194	2.0981	-.0710	.0033	-.0028
17.16	.00	2.0353	.5108	-.0906	.0026	-.0006	.0130	2.0972	-.0700	.0024	-.0012
19.23	.00	2.1537	.6101	-.2563	.0001	.0006	.0210	2.2368	-.0873	.0003	.0005
19.23	.00	2.1527	.6070	-.2564	.0018	-.0013	.0162	2.2349	-.0879	.0014	-.0017
21.28	.00	2.2460	.7051	-.3351	.0101	.0178	-.0099	2.3517	-.1056	.0156	.0133
21.27	.00	2.2401	.7075	-.3168	.0090	.0180	-.0030	2.3470	-.1013	.0146	.0138
23.30	.00	2.2881	.8418	-.3326	.0114	.0229	-.0174	2.4368	-.0767	.0191	.0170
23.30	.00	2.2849	.8409	-.3474	.0125	.0219	-.0105	2.4335	-.0763	.0197	.0157
25.31	.00	2.3036	.9660	-.3596	.0120	.0164	.0157	2.4973	-.0545	.0176	.0101
25.31	.00	2.3132	.9723	-.3557	.0090	.0159	.0141	2.5086	-.0526	.0147	.0098
27.31	.00	2.3004	1.0917	-.3535	.0036	.0062	.0119	2.5461	-.0272	.0059	.0040
27.31	.00	2.2977	1.0909	-.3594	.0057	.0070	.0173	2.5434	-.0267	.0081	.0038

Table 2 (Continued)

Run No. 124

$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
-4.18	3.00	-.1433	.0762	.0943	.0076	-.0130	-.1440	-.1475	.0451	.0084	-.0125
-4.18	3.00	-.1433	.0759	.0933	.0074	-.0130	-.1445	-.1475	.0448	.0082	-.0124
.12	3.00	.1032	.0648	.1237	.0051	-.0149	-.1366	.1032	.0848	.0051	-.0149
.12	3.00	.1021	.0644	.1234	.0049	-.0154	-.1366	.1021	.0844	.0049	-.0154
4.41	3.00	.6434	.0921	.1333	.0036	-.0172	-.1248	.6482	.0470	.0024	-.0174
4.42	3.00	.6460	.0914	.1332	.0036	-.0175	-.1264	.6508	.0461	.0024	-.0177
8.72	3.00	1.2048	.1585	.1034	.0017	-.0214	-.1161	1.2151	-.0107	-.0013	-.0214
8.72	3.00	1.2016	.1579	.1018	.0019	-.0211	-.1144	1.2119	-.0109	-.0011	-.0211
13.02	3.00	1.7570	.2651	.0540	.0000	-.0226	-.1091	1.7737	-.1060	-.0047	-.0221
17.19	3.00	1.7619	.2680	.0521	-.0013	-.0224	-.1087	1.7790	-.1042	-.0059	-.0216
17.19	3.00	2.0908	.4961	-.1004	-.0089	-.0305	-.1024	2.1465	-.0994	-.0169	-.0268
17.19	3.00	2.0956	.4984	-.1058	-.0082	-.0291	-.1056	2.1512	-.1005	-.0159	-.0257
21.27	3.00	2.2385	.7116	-.3261	.0102	-.0002	-.1157	2.3468	-.0970	.0095	-.0036
21.26	3.00	2.2241	.7092	-.3155	.0104	-.0031	-.1151	2.3325	-.0942	.0087	-.0064

Table 2 (Continued)

Run No. 125

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_L$
-4.17	6.00	-4.190	.0715	.0731	.0090	-.0250	-.2845	-.4230	.0421	.0107	-.0243
-4.17	6.00	-4.174	.0709	.0692	.0092	-.0250	-.2891	-.4214	.0410	.0109	-.0243
.13	6.00	.1375	.0603	.0675	.0050	-.0293	-.2704	-.375	.0603	.0050	-.0293
.15	6.00	.1387	.0595	.0680	.0052	-.0289	-.2682	-.387	.0594	.0052	-.0280
4.42	6.00	.6717	.0870	.1105	.0033	-.0334	-.2475	.6711	.0399	.0008	-.0355
4.42	6.00	.6655	.0879	.1087	.0036	-.0355	-.2556	.6730	.0411	.0013	-.0356
6.72	6.00	1.224	.1508	.1118	.0045	-.0414	-.2340	1.2331	-.0210	-.0013	-.0416
6.72	6.00	1.2273	.1511	.1086	.0041	-.0413	-.2352	1.2364	-.0204	-.0016	-.0414
12.99	6.00	1.7220	.2571	.0695	.0070	-.0405	-.2310	1.7441	-.0769	-.0016	-.0410
12.99	6.00	1.7230	.2887	.0717	.0069	-.0403	-.2295	1.7459	-.0760	-.0016	-.0409
17.17	6.00	2.0704	.4595	-.1137	.0057	-.0481	-.2469	2.1160	-.1289	-.0078	-.0476
17.75	6.00	3.1360	.5141	-.1408	.0057	-.0473	-.2445	3.1562	-.3702	-.0076	-.0470
21.23	6.00	2.1733	.6296	-.2116	.0026	-.0441	-.2370	2.2576	-.1515	-.0126	-.0423
21.25	6.00	2.2064	.6280	-.2076	.0022	-.0464	-.2298	2.2881	-.1645	-.0136	-.0413

Table 2 (Continued)

Run No. 126

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,Y}$	$C_{L,Y}$	$C_Y$	$C_H$	$C_A$	$C_N$	$C_I$
-8.48	.00	.0171	.1586	.0429	.0045	.0008	.0125	-1.0292	.0155	.0044	.0014
-8.48	.00	.0160	.1581	.0424	.0043	.0008	.0061	-1.0281	.0151	.0044	.0002
-4.17	.00	.4393	.0950	.0848	.0069	.0014	.0039	-.4448	.0641	.0070	.0009
-4.17	.00	.4345	.0943	.0835	.0067	.0011	.0055	-.4400	.0638	.0069	.0006
.13	.00	.1059	.0826	.1023	.0041	.0007	.0039	.1059	.0826	.0041	.0007
.13	.00	.1022	.0825	.1032	.0041	.0014	-.0020	.1022	.0825	.0041	.0014
4.43	.00	.6503	.1112	.1241	.0033	.0006	.0013	.6564	.0654	.0033	.0008
4.43	.00	.6513	.1114	.1270	.0034	.0002	.0039	.6575	.0657	.0033	.0004
8.73	.00	1.1992	.1759	.1303	.0027	.0013	.0023	1.2129	.0072	.0024	.0017
8.72	.00	1.1945	.1755	.1348	.0028	.0013	.0039	1.2072	.0075	.0026	.0016
10.88	.00	1.4803	.2252	.1977	.0024	.0007	.0029	1.4967	-.0352	.0027	.0008
10.88	.00	1.4803	.2244	.1979	.0024	.0007	.0029	1.4967	-.0360	.0022	.0011
13.02	.00	1.7558	.2829	.1088	.0025	.0004	.0055	1.7762	-.0823	.0024	.0009
13.02	.00	1.7601	.2840	.1074	.0027	.0007	.0055	1.7806	-.0881	.0025	.0012
15.17	.00	2.0471	.3620	.0108	.0049	.0003	.0055	2.0738	-.1439	.0048	.0009
15.17	.00	2.0513	.3614	.0161	.0051	.0009	.0071	2.0778	-.1456	.0052	.0003
17.21	.00	2.1223	.5219	-.0076	.0170	.0101	.0130	2.1839	-.0833	.0190	.0050
17.21	.00	2.1276	.5228	-.0031	.0166	.0096	.0087	2.1892	-.0840	.0186	.0046
19.26	.00	2.2199	.6381	-.0921	.0068	.0030	.0253	2.3084	-.0791	.0073	.0007
19.26	.00	2.2417	.6458	-.0630	.0064	.0017	.0285	2.3315	-.0785	.0066	.0003
21.30	.00	2.2935	.7545	-.1730	.0115	.0099	.0178	2.4131	-.0754	.0141	.0053
21.30	.00	2.2971	.7539	-.1737	.0101	.0125	.0231	2.4070	-.0738	.0137	.0063
23.34	.00	2.3681	.8803	-.2182	.0191	.0233	.0103	2.5254	-.0709	.0264	.0144
23.35	.00	2.3703	.8815	-.2261	.0183	.0243	.0077	2.5279	-.0706	.0260	.0157
25.37	.00	2.4129	1.0004	-.2319	.0144	.0159	.0130	2.6112	-.0675	.0196	.0087
25.37	.00	2.4295	1.0007	-.2283	.0145	.0182	.0092	2.6113	-.0673	.0206	.0107
27.38	.00	2.4321	1.1412	-.2619	.0049	.0097	.0018	2.6836	-.0393	.0086	.0065
27.38	.00	2.4321	1.1380	-.2686	.0038	.0098	.0023	2.6848	-.0433	.0077	.0071
29.35	.00	2.3783	1.2812	-.3844	.0094	.0005	-.0169	2.7013	.0147	.0081	.0048
29.35	.00	2.3783	1.2844	-.3977	.0091	.0043	-.0126	2.7028	.0175	.0100	.0004
31.32	.00	2.3319	1.3949	-.4853	.0061	.0102	.0087	2.7169	.0421	.0103	.0058
31.32	.00	2.3281	1.3906	-.4894	.0061	.0084	.0162	2.7115	.0402	.0095	.0043

Table 2 (Continued)

Run No. 129

$\alpha$	$\theta$	$C_L$	$C_{D'}$	$C_M$	$C_{N,V}$	$C_{L,0}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
8.70	-9.00	1.2329	.2171	.1196	-.0042	.0038	.3967	1.2511	.0434	.0047	.0637
8.70	-9.00	1.2307	.2190	.1166	-.0042	.0635	.3981	1.2492	.0456	.0047	.0634
8.70	-6.00	1.2160	.2203	.1230	-.0038	.0415	.2661	1.2346	.0489	.0020	.0416
8.70	-6.00	1.2139	.2196	.1257	-.0061	.0417	.2689	1.2326	.0467	-.0002	.0421
8.72	-3.00	1.2067	.2047	.1446	-.0046	.0182	.1316	1.2234	.0346	-.0023	.0187
8.72	-3.00	1.2147	.1934	.1367	-.0014	.0193	.1362	1.2296	.0321	.0013	.0193
8.73	.00	1.2025	.1749	.1313	.0020	-.0003	.0034	1.2151	.0350	.0019	-.0006
8.73	.00	1.2035	.1755	.1266	.0019	-.0002	.0029	1.2151	.0345	.0012	-.0004
8.73	3.00	1.2144	.1799	.1154	.0001	-.0219	-.1282	1.2276	.0092	-.0030	-.0217
8.73	3.00	1.2139	.1816	.1152	-.0005	-.0212	-.1245	1.2274	.0111	-.0034	-.0209
8.73	6.00	1.2310	.1768	.1127	.0005	-.0422	-.2576	1.2436	.0036	-.0054	-.0418
8.73	6.00	1.2326	.1771	.1305	.0003	-.0428	-.2603	1.2452	.0030	-.0057	-.0424
8.73	9.00	1.2524	.1667	.0651	.0007	-.0632	-.3920	1.2665	-.0096	-.0062	-.0629
8.73	9.00	1.2524	.1660	.0702	.0031	-.0634	-.3225	1.2632	-.0099	-.0058	-.0632
8.74	-2.00	1.2603	.1420	.0609	.0053	-.0356	-.5312	1.2677	-.0348	.0067	-.0655
8.74	12.00	1.2565	.1401	.0570	.0051	-.0854	-.5329	1.2631	-.0361	-.0062	-.0854
8.74	15.00	1.2461	.1020	.0250	.0061	-.1053	-.1766	1.2461	-.0734	-.0066	-.1051
8.74	15.00	1.2466	.1030	.0271	.0064	-.1051	-.1796	1.2487	-.0715	-.0081	-.1049
8.68	18.00	1.1118	.1376	.1516	.0165	-.1130	-.1026	1.1201	-.0165	.0006	-.1141
8.67	18.00	1.1005	.1357	.1516	.0176	-.1146	-.1002	1.1146	-.0137	.0014	-.1161
8.66	21.00	1.0744	.1004	.1698	.0126	-.1292	-.9393	1.0779	-.1501	-.0055	-.1297
8.67	21.00	1.0781	.1016	.1646	.0123	-.1293	-.9330	1.0617	-.1494	-.0058	-.1297
8.64	24.00	1.0223	.0822	.1551	.0115	-.1366	-.1038	1.0237	-.0689	-.0076	-.1788
8.64	24.00	1.0276	.0800	.1568	.0109	-.1390	-.1008	1.0287	-.0638	-.0085	-.1391
8.60	30.00	.9502	.0239	.0912	.0181	-.1444	-.1260	.6442	-.1026	-.0021	-.1455
8.60	30.00	.9470	.0207	.0974	.0153	-.1455	-.1320	.9406	-.1113	-.0021	-.1466
8.46	36.00	.6974	.0151	.1673	.0042	-.1045	-.1267	.1926	-.0122	-.0103	-.1041
8.46	36.00	.6990	.0153	.1674	.0036	-.1036	-.12675	.6942	-.0621	-.0109	-.1031

Table 2 (Continued)

Run No. 130

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
13.00	-9.00	1.7692	.3090	.1050	-.0098	.0660	.3752	1.8143	-.0698	.0041	.0665
12.99	-9.00	1.7644	.3094	.1008	-.0095	.0666	.3910	1.8097	-.0684	.0045	.0671
13.00	-6.00	1.7719	.3174	.1178	-.0051	.0480	.2592	1.7991	-.0579	.0038	.0421
13.00	-6.00	1.7713	.3177	.1148	-.0045	.0417	.2555	1.7886	-.0575	.0042	.0417
13.01	-3.00	1.7555	.3175	.1272	-.0033	.0181	.1228	1.7831	-.0544	.0005	.0183
13.00	-3.00	1.7449	.3149	.1251	-.0030	.0177	.1238	1.7722	-.0547	.0008	.0179
13.00	.00	1.7163	.3067	.1276	-.0031	-.0056	-.0131	1.7426	-.0569	.0042	-.0049
13.00	.00	1.7142	.3061	.1344	-.0035	-.0098	-.0099	1.7404	-.0570	.0046	-.0050
13.01	3.00	1.7453	.3125	.1115	-.0070	-.0283	-.1249	1.7719	-.0581	.0127	-.0262
13.01	3.00	1.7437	.3108	.1106	-.0070	-.0281	-.1270	1.7702	-.0585	.0126	-.0260
12.99	6.00	1.7241	.3323	.1284	-.0004	-.0466	-.2470	1.7555	-.0334	.0093	-.0456
12.99	6.00	1.7156	.3320	.1276	-.0003	-.0464	-.2476	1.7471	-.0320	.0099	-.0453
12.98	9.00	1.7157	.3121	.0985	.0104	-.0659	-.3818	1.7431	-.0514	.0035	-.0667
12.98	9.00	1.7205	.3121	.0973	.0104	-.0660	-.3855	1.7478	-.0525	.0035	-.0667
12.97	12.00	1.6986	.2922	.0708	.0160	-.0902	-.5190	1.7222	-.0674	.0031	-.0915
12.97	12.00	1.7018	.2930	.0666	.0164	-.0894	-.5808	1.7255	-.0673	.0026	-.0909
12.94	15.00	1.6869	.2861	-.0006	.0809	-.1117	-.6598	1.6588	-.0588	.0028	-.1136
12.95	15.00	1.6305	.2884	.0031	.0210	-.1134	-.6570	1.6548	-.0569	.0031	-.1152
12.89	18.00	1.5117	.2840	.0135	.0331	-.1255	-.7814	1.5377	-.0366	.0063	-.1296
12.82	18.00	1.4984	.2882	.0072	.0336	-.1254	-.7803	1.5255	-.0296	.0068	-.1296
12.87	21.00	1.4689	.2533	.0030	.0307	-.1484	-.8867	1.4894	-.0576	.0004	-.1439
12.82	24.00	1.3704	.2200	-.0001	.0337	-.1400	-.8816	1.4507	-.0592	.0039	-.1439
12.82	24.00	1.3587	.2195	.1142	.0298	-.1468	-.9812	1.3862	-.0697	.0011	-.1737
12.70	30.00	1.1394	.1984	.0802	.0255	-.1239	-.9742	1.3746	-.0678	.0005	-.1459
12.71	30.00	1.1565	.1960	.0783	.0253	-.1252	-.1.0650	1.1558	-.0488	.0008	-.1865
12.61	36.00	.9720	.1471	.1472	-.0014	-.1100	-.1.0742	1.1719	-.0488	.0012	-.1277
12.60	36.00	.9618	.1441	.1485	-.0010	-.1109	-.1.1500	.9813	-.0502	.0043	-.1073
							-.1.1475	.9707	-.0530	.0040	-.1082

Table 2 (Continued)

Run No.	$\alpha$	$\beta$	$C_L$	$C_p$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_y$	$C_N$	$C_A$	$C_n$	$C_t$
-8.54	1.1227	.00	1.1227	.1469	.1352	.0001	-.0020	-.0041	-1.1322	-.0107	.0003	-.0020
-8.54	-1.1216	.00	-1.1216	.1496	.1405	.0023	-.0020	-.0099	-1.315	-.0080	.0035	-.0016
-4.21	-.5129	.00	-.5129	.0726	.1207	.0059	-.0033	-.0089	-.5167	.0300	.0061	-.0025
-4.21	-.5150	.00	-.5150	.0720	.1214	.0056	-.0034	-.0099	-.5187	.0359	.0060	-.0030
.11	.0661	.00	.0661	.0586	.1102	.0043	-.0032	-.0099	.0661	.0586	.0042	-.0032
.11	.0707	.00	.0707	.0593	.1073	.0043	-.0034	-.0094	.0707	.0593	.0042	-.0034
4.42	.6407	.00	.6407	.0847	.1234	.0026	-.0030	-.0029	.6450	.0398	.0024	-.0027
4.42	.6396	.00	.6396	.0840	.1234	.0022	-.0025	-.0041	.6439	.0392	.0021	-.0027
6.73	1.2025	.00	1.2025	.1487	.1221	-.0020	-.0027	-.0030	1.2114	-.0201	-.0023	-.0024
6.73	1.2057	.00	1.2057	.1492	.1207	-.0021	-.0031	-.0035	1.2147	-.0201	-.0024	-.0027
13.02	1.7579	.00	1.7579	.2639	.0636	.0026	-.0029	-.0055	1.7744	-.1073	.0021	-.0034
13.03	1.7648	.00	1.7648	.2650	.0636	.0023	-.0039	-.0014	1.7813	-.1070	.0014	-.0042
17.24	2.1740	.00	2.1740	.5105	-.0948	.0186	.0056	.0103	2.2304	-.1085	.0195	.0005
17.24	2.1841	.00	2.1841	.5124	-.0955	.0195	.0060	.0092	2.2407	-.1095	.0203	.0004
19.31	2.2977	.00	2.2977	.6382	-.1886	.0059	.0023	.0162	2.3824	-.1030	.0063	.0003
19.30	2.2935	.00	2.2935	.6367	-.1852	.0061	.0022	.0130	2.3779	-.1032	.0065	.0002
21.33	2.3495	.00	2.3495	.7469	-.3173	.0100	.0102	.0178	2.4639	-.0996	.0129	.0062
21.34	2.3516	.00	2.3516	.7463	-.3305	.0098	.0106	.0157	2.4650	-.1030	.0128	.0066
23.39	2.4460	.00	2.4460	.8900	-.3878	.0159	.0199	.0066	2.6013	-.0911	.0222	.0125
23.39	2.4535	.00	2.4535	.8909	-.3908	.0190	.0210	.0103	2.6085	-.0930	.0255	.0124
25.43	2.5180	.00	2.5180	1.0259	-.4143	.0153	.0194	.0119	2.7176	-.0869	.0219	.0115
25.42	2.5095	.00	2.5095	1.0234	-.4212	.0139	.0176	.0055	2.7087	-.0858	.0199	.0104
27.44	2.5489	.00	2.5489	1.1814	-.4757	.0063	.0118	.0055	2.8088	-.0556	.0108	.0076
27.44	2.5367	.00	2.5367	1.1754	-.4825	.0071	.0129	.0039	2.7952	-.0555	.0120	.0124
29.41	2.4929	.00	2.4929	1.3268	-.6279	.0086	.0025	-.0147	2.8240	-.0012	.0087	-.0019
29.42	2.4963	.00	2.4963	1.3192	-.6339	.0079	.0012	-.0179	2.8251	-.0061	.0075	-.0027
31.38	2.4289	.00	2.4289	1.4197	-.7275	.0064	.0090	.0183	2.8134	.0151	.0100	.0046
31.39	2.4423	.00	2.4423	1.4297	-.7382	.0075	.0112	.0157	2.8299	.0170	.0120	.0059

Table 2 (Continued)

Run No. 132

$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_y$	$C_W$	$C_A$	$C_n$	$C_l$
-8.55	3.00	-1.1863	.1536	.1399	.0088	-.0089	-.1599	-1.1366	-.0046	.0099	-.0076
-8.55	3.00	-1.1885	.1547	.1429	.0099	-.0090	-.1627	-1.1331	-.0030	.0110	-.0075
-4.22	3.00	-.5137	.0783	.1312	.0114	-.0142	-.1585	-.5179	.0423	.0123	-.0134
-4.22	3.00	-.5142	.0795	.1296	.0114	-.0142	-.1538	-.5185	.0435	.0123	-.0134
.10	3.00	.0723	.0643	.1205	.0080	-.0170	-.1467	.0723	.0642	.0080	-.0169
.10	3.00	.0744	.0644	.1191	.0084	-.0169	-.1446	.0744	.0644	.0084	-.0168
4.41	3.00	.6396	.0896	.1316	.0070	-.0190	-.1349	.6443	.0448	.0056	-.0193
4.41	3.00	.6396	.0893	.1309	.0068	-.0192	-.1333	.6443	.0445	.0054	-.0196
8.72	3.00	1.2097	.1518	.1265	.0039	-.0222	-.1243	1.2190	-.0180	.0008	-.0225
8.72	3.00	1.2207	.1519	.1270	.0041	-.0223	-.1275	1.2200	-.0180	.0009	-.0226
13.02	3.00	1.7677	.2724	.0660	.0009	-.0254	-.1132	1.7657	-.1011	-.0044	-.0250
13.02	3.00	1.7656	.2713	.0632	.0013	-.0257	-.1198	1.7634	-.1017	-.0041	-.0255
17.19	3.00	2.0870	.5040	-.1699	.0844	-.0114	-.1215	2.1451	-.0908	.0204	-.0176
17.18	3.00	2.0758	.5350	-.1488	.0090	-.0801	-.1098	2.1429	-.0579	.0031	-.0218
19.25	3.00	2.2044	.6380	-.2809	.0063	-.0199	-.0976	2.2936	-.0744	-.0002	-.0208
19.26	3.00	2.2134	.6393	-.2911	.0070	-.0218	-.0912	2.3026	-.0760	-.0001	-.0209
21.32	3.00	2.3340	.7482	-.3479	.0126	-.0085	-.0958	2.4491	-.0732	.0090	-.0122
21.32	3.00	2.3270	.7469	-.3476	.0124	-.0083	-.1017	2.4421	-.0941	.0088	-.0121
23.37	3.00	2.4188	.8902	-.3798	.0148	-.0056	-.0758	2.5741	-.0877	.0158	-.0004
23.35	3.00	2.4086	.8904	-.3876	.0174	.0001	-.0786	2.5667	-.0768	.0153	-.0001
25.39	3.00	2.4668	1.0667	-.4092	.0163	.0034	-.0627	2.6711	-.0654	.0180	-.0043
25.40	3.00	2.4785	1.0397	-.4167	.0155	.0018	-.0666	2.6834	-.0665	.0148	-.0047
27.44	3.00	2.5446	1.1796	-.4593	.0128	-.0074	-.0502	2.9042	-.0553	.0113	-.0059
27.44	3.00	2.5558	1.1782	-.4671	.0128	-.0019	-.0590	2.8136	-.0614	.0107	-.0073



Table 2 (Continued)

Run No. 133

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
-6.53	6.00	-1.0783	.1473	.1125	.0147	-.0158	-.3073	-1.0883	-.0042	.0167	-.0136
-6.53	6.00	-1.0783	.1473	.1182	.0125	-.0168	-.3095	-1.0883	-.0042	.0141	-.0150
-4.21	6.00	-.4921	.0729	.1080	.0158	-.0264	-.3095	-1.4959	.0344	.0175	-.0252
-4.21	6.00	-.4884	.0738	.1040	.0161	-.0265	-.3060	-.4923	.0395	.0179	-.0253
.11	6.00	.1061	.0589	.1106	.0134	-.0309	-.2860	.1081	.0589	.0134	-.0309
.12	6.00	.1103	.0579	.1149	.0134	-.0318	-.2838	.1103	.0579	.0134	-.0318
4.42	6.00	.6717	.0868	.1073	.0110	-.0381	-.2711	.0761	.0397	.0063	-.0388
4.42	6.00	.6733	.0862	.1048	.0105	-.0374	-.2715	.0777	.0390	.0079	-.0381
8.73	6.00	1.2310	.1496	.1114	.0098	-.0507	-.2558	1.2398	-.0231	.0026	-.0515
8.73	6.00	1.2347	.1491	.1115	.0082	-.0432	-.2515	1.2434	-.0240	.0021	-.0432
13.02	6.00	1.7817	.2699	.0498	.0053	-.0494	-.2352	1.7989	-.1074	-.0041	-.0496
13.02	6.00	1.7865	.2703	.0458	.0050	-.0496	-.2325	1.8036	-.1071	-.0045	-.0499
17.17	6.00	2.0603	.5091	-.2370	.0194	-.0357	-.2373	2.1198	-.0810	.0088	-.0396
17.16	6.00	2.0528	.5104	-.2377	.0208	-.0365	-.2355	2.1136	-.0755	.0099	-.0408
19.24	6.00	2.1936	.2401	-.3357	.0123	-.0367	-.2174	2.2790	-.0844	.0003	-.0387
19.24	6.00	2.1903	.2287	-.3383	.0140	-.0391	-.2321	2.2830	-.0807	.0011	-.0419
21.30	6.00	2.3077	.7445	-.3734	.0135	-.0293	-.2181	2.4232	-.0897	.0026	-.0324
21.30	6.00	2.3024	.7446	-.3609	.0135	-.0294	-.2133	2.4182	-.0871	.0026	-.0322
23.34	6.00	2.3690	.8053	-.3918	.0173	-.0242	-.1794	2.5290	-.0630	.0070	-.0289
23.34	6.00	2.3700	.8059	-.3904	.0173	-.0242	-.1789	2.5348	-.0630	.0077	-.0289
25.36	6.00	2.4474	1.1300	-.4361	.0171	-.0181	-.1521	2.6546	-.0545	.0055	-.0235
25.36	6.00	2.4448	1.1305	-.4361	.0145	-.0191	-.1511	2.6538	-.0509	.0055	-.0235
27.40	6.00	2.4917	1.1751	-.4583	.0075	-.0227	-.1375	2.7547	-.0364	-.0044	-.0245
27.40	6.00	2.5152	1.1793	-.4909	.0103	-.0199	-.1237	2.7776	-.0428	.0045	-.0223
27.40	6.00	2.4925	1.1768	-.4635	.0095	-.0245	-.1353	2.7502	-.0351	-.0022	-.0211
27.42	6.00	2.5189	1.1776	-.4647	.0091	-.0193	-.1409	2.7602	-.0451	-.0002	-.0213

Table 2 (Continued)

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_M$	$C_{n,v}$	$C_{L,s}$	$C_Y$	$C_H$	$C_A$	$C_n$	$C_L$
8.73	-6.00	1.2608	.1513	.1039	-.0032	.0395	.2475	1.2696	-.0256	.0023	.0395
8.73	-6.00	1.2592	.1505	.0999	-.0038	.0387	.2469	1.2679	-.0262	.0017	.0388
8.73	-3.00	1.2307	.1521	.1197	-.0017	.0184	.1250	1.2399	-.0206	.0009	.0185
8.73	-3.00	1.2265	.1536	.1228	-.0030	.0193	.1283	1.2359	-.0186	.0002	.0195
8.73	.00	1.2051	.1480	.1400	.0002	-.0018	.0034	1.2140	-.0211	.0001	-.0018
8.73	.00	1.2030	.1484	.1402	-.0005	-.0021	.0029	1.2119	-.0205	.0007	-.0020
8.73	3.00	1.2209	.1509	.1227	.0030	-.0233	-.1250	1.2299	-.0205	.0002	-.0235
8.73	3.00	1.2225	.1520	.1233	.0036	-.0234	-.1274	1.2317	-.0196	.0003	-.0237
8.73	6.00	1.2433	.1476	.1127	.0065	-.0435	-.2502	1.2517	-.0269	.0004	-.0439
8.73	6.00	1.2433	.1482	.1113	.0067	-.0433	-.2508	1.2517	-.0263	.0006	-.0438
8.73	9.00	1.2604	.1369	.0780	.0110	-.0638	-.3803	1.2671	-.0398	.0020	-.0647
8.74	9.00	1.2685	.1366	.0844	.0110	-.0646	-.3856	1.2692	-.0405	.0019	-.0655
8.74	12.00	1.2640	.1111	.0481	.0159	-.0846	-.5130	1.2671	-.0659	.0039	-.0860
8.74	12.00	1.2635	.1103	.0493	.0158	-.0844	-.5117	1.2665	-.0666	.0039	-.0858
8.74	15.00	1.2514	.0716	.0241	.0204	-.1041	-.6469	1.2491	-.1032	.0058	-.1059
8.74	15.00	1.2585	.0715	.0215	.0210	-.1047	-.6490	1.2502	-.1035	.0062	-.1066
8.67	15.00	1.0975	.1104	.1502	.0233	-.1096	-.7507	1.1021	-.0434	.0078	-.1117
8.67	18.00	1.0964	.1088	.1518	.0251	-.1097	-.7533	1.1008	-.0449	.0096	-.1121
8.64	21.00	1.0853	.0895	.1390	.0261	-.1213	-.8601	1.0878	-.0540	.0090	-.1298
8.64	21.00	1.0837	.0902	.1398	.0284	-.1202	-.8575	1.0863	-.0532	.0094	-.1227
8.62	24.00	.9908	.0564	.1466	.0221	-.1307	-.9544	.9890	-.0821	.0037	-.1324
8.62	24.00	1.0015	.0613	.1465	.0200	-.1320	-.9570	1.0002	-.0787	.0014	-.1335
8.58	30.00	.9048	.0233	-.0111	.0333	-.1310	-1.1530	.8992	-.1029	.0148	-1.143
8.58	30.00	.9139	.0208	-.0213	.0321	-.1337	-1.1513	.9079	-.1066	.0132	-.1368

Table 2 (Continued)

Run No. 135

$\alpha$	$\theta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,e}$	$C_y$	$C_H$	$C_A$	$C_n$	$C_i$
-8.53	.03	-1.0997	.156E	.2212	.0024	-.0005	-.0067	-1.1208	.0022	.0022	-.0065
-8.53	.00	-1.0965	.1544	.2124	.0032	-.0001	-.0031	-1.1073	.0003	.0031	.0004
-4.20	.00	-.5022	.0644	.1954	.0060	-.0015	-.0051	-.5048	.0494	.0010	-.0010
-4.20	.00	-.5030	.0641	.1956	.0051	-.0021	-.0042	-.5064	.0457	.0060	-.0016
.11	.00	.0622	.0712	.1970	.0041	-.0005	-.0051	.0621	.0711	.0041	-.0005
.10	.00	.0616	.0713	.1931	.0046	-.0010	-.0073	.0615	.0713	.0046	-.0010
4.41	.00	.6252	.0948	.1904	.0040	-.0005	-.0014	.6302	.0509	.0040	-.0007
4.41	.00	.6225	.0937	.1927	.0047	-.0000	-.0007	.6275	.0500	.0040	-.0011
6.72	.00	1.1960	.1575	.1620	.0025	-.0011	.0007	1.2008	-.0105	.0023	-.0014
6.73	.00	1.1982	.1573	.1646	.0030	-.0010	-.0046	1.2084	-.0110	.0037	-.0015
6.72	.00	1.1939	.1561	.1599	.0020	-.0007	.0007	1.2040	-.0115	.0019	-.0009
13.03	.00	1.7659	.2719	.0974	.0012	-.0009	-.0057	1.7838	-.1011	.0010	-.0010
13.03	.00	1.7030	.2685	.0855	.0008	-.0009	-.0020	1.7810	-.1041	.0006	-.0010
17.21	.00	2.1207	.5155	-.0741	.0170	.0078	.0050	2.1606	-.0690	.0184	.0026
17.22	.00	2.1447	.5152	-.0767	.0166	.0067	.0055	2.2036	-.0959	.0186	.0038
19.27	.00	2.2353	.5330	-.1598	.0057	.0033	.0107	2.3215	-.0867	.0063	.0013
19.28	.00	2.2449	.6340	-.1671	.0056	.0027	.0183	2.3309	-.0907	.0061	.0008
21.30	.00	2.2913	.7350	-.2794	.0103	.0087	.0173	2.4045	-.0930	.0126	.0046
21.30	.00	2.2913	.7153	-.2793	.0106	.0070	.0173	2.4046	-.0927	.0125	.0037
23.35	.00	2.3740	.8706	-.3084	.0190	.0217	.0023	2.5272	-.0822	.0264	.0127
23.35	.00	2.3697	.8729	-.2974	.0166	.0241	.0087	2.5242	-.0784	.0244	.0161
25.37	.00	2.4167	.9917	-.2953	.0137	.0197	.0162	2.6110	-.0770	.0205	.0124
25.37	.00	2.4135	.9918	-.2662	.0144	.0161	.0096	2.6082	-.0756	.0197	.0389
27.38	.00	2.4295	1.1300	-.3143	.0074	.0130	.0034	2.6769	-.0494	.0126	.0090
27.38	.00	2.4364	1.1331	-.3176	.0040	.0111	.0050	2.6660	-.0496	.0045	.0062
-4.19	.00	-.4734	.0753	.1935	.0058	-.0011	-.0014	-.4775	.0421	.0058	-.0007

Table 2 (Continued)

Run No. 136

$\alpha$	$\beta$	$C_L$	$C_D$	$C_{n,v}$	$C_{L,s}$	$C_Y$	$C_W$	$C_A$	$C_n$	$C_L$
-8.52	3.00	-1.0767	.1612	.0114	-.0138	-.1668	-1.0886	.0097	.0132	-.0121
-8.52	3.00	-1.0772	.1645	.0109	-.0133	-.1601	-1.0896	.0129	.0126	-.0117
-4.21	3.00	-.4940	.0910	.0139	-.0178	-.1608	-.4991	.0563	.0151	-.0168
-4.21	3.00	-.4926	.0906	.0138	-.0174	-.1586	-.5006	.0558	.0149	-.0164
.11	3.00	.0760	.0757	.0117	-.0196	-.1553	.0760	.0757	.0117	-.0196
.11	3.00	.0765	.0761	.0120	-.0200	-.1586	.0765	.0760	.0120	-.0200
4.41	3.00	.6343	.1853	.0091	-.0210	-.1356	.6399	.0480	.0076	-.0215
4.41	3.00	.6338	.1853	.0097	-.0201	-.1355	.6393	.0571	.0083	-.0207
8.72	3.00	1.2207	.1631	.0081	-.0250	-.1307	1.2216	-.0070	.0045	-.0259
8.72	3.00	1.2070	.1619	.0067	-.0238	-.1285	1.2177	-.0076	.0034	-.0245
13.02	3.00	1.7736	.2043	.0064	-.0254	-.1218	1.7939	-.0907	.0010	-.0261
13.02	3.00	1.7661	.2001	.0060	-.0253	-.1218	1.7857	-.0933	.0026	-.0263
17.15	3.00	2.0294	.3442	.0087	-.0200	-.1180	2.1008	-.0363	.0028	-.0215
17.15	3.00	2.0316	.3434	.0088	-.0202	-.1206	2.1026	-.0376	.0029	-.0218
19.23	3.00	2.1708	.6368	.0110	-.0211	-.1030	2.2613	-.0652	.0039	-.0235
19.23	3.00	2.1662	.6380	.0114	-.0254	-.1036	2.2764	-.0688	.0030	-.0276
21.29	3.00	2.2726	.7335	.0145	-.0086	-.1068	2.3882	-.0833	.0107	-.0130
21.29	3.00	2.2673	.7330	.0116	-.0063	-.0994	2.3832	-.0811	.0088	-.0098
23.34	3.00	2.3622	.8681	.0231	-.0058	-.0926	2.5154	-.0800	.0236	-.0033
23.34	3.00	2.3756	.8700	.0236	.0062	-.0931	2.5085	-.0833	.0241	-.0031
25.34	3.00	2.3740	.9940	.0209	.0047	-.0855	2.5730	-.0575	.0209	-.0042
25.34	3.00	2.3841	.9978	.0200	.0045	-.0733	2.5838	-.0581	.0201	-.0040
27.38	3.00	2.4390	1.1346	.0185	.0025	-.0703	2.6895	-.0495	.0177	-.0039
27.38	3.00	2.4380	1.1339	.0184	-.0036	-.0622	2.6892	-.0496	.0149	-.0112

Table 2 (Continued)

Run No. 137

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{m,w}$	$C_{l,s}$	$C_y$	$C_H$	$C_A$	$C_n$	$C_t$
-8.51	6.00	-1.0452	.1587	.1853	.0199	-.0234	-.3167	-1.0571	.0117	.0229	-.0204
-8.51	6.00	-1.0420	.1572	.1819	.0214	-.0237	-.3230	-1.0537	.0106	.0245	-.0205
-4.21	6.00	-.4830	.0863	.1756	.0210	-.0324	-.3150	-.4860	.0544	.0232	-.0309
-4.20	6.00	-.4809	.0892	.1742	.0212	-.0344	-.3167	-.4859	.0555	.0235	-.0328
.11	6.00	.1049	.0736	.1745	.0191	-.0358	-.2971	.1049	.0736	.0191	-.0358
.11	6.00	.1055	.0732	.1787	.0190	-.0370	-.3051	.1054	.0732	.0190	-.0370
4.42	6.00	.6589	.1006	.1633	.0152	-.0411	-.2726	.6643	.0544	.0123	-.0421
4.41	6.00	.6579	.0959	.1580	.0149	-.0409	-.2725	.6632	.0538	.0121	-.0419
8.72	6.00	1.2283	.1586	.1511	.0133	-.0461	-.2627	1.2384	-.0139	.0066	-.0475
8.73	6.00	1.2299	.1594	.1492	.0135	-.0455	-.2611	1.2401	-.0133	.0071	-.0469
13.01	6.00	1.7689	.2794	.0668	.0131	-.0516	-.2475	1.7863	-.0945	.0021	-.0532
13.01	6.00	1.7684	.2795	.0692	.0134	-.0509	-.2449	1.7876	-.0943	.0025	-.0526
17.14	6.00	2.0149	.5126	-.2372	.0267	-.0370	-.2514	2.0782	-.0626	.0155	-.0429
17.14	6.00	2.0069	.5102	-.2292	.0259	-.0360	-.2507	2.0698	-.0627	.0150	-.0417
19.22	6.00	2.1504	.6124	-.3150	.0241	-.0361	-.2507	2.2343	-.0621	.0112	-.0437
19.22	6.00	2.1568	.6190	-.3111	.0212	-.0390	-.2454	2.2425	-.0778	.0081	-.0436
21.27	6.00	2.2517	.7368	-.3266	.0209	-.0308	-.2306	2.3679	-.0778	.0092	-.0360
21.27	6.00	2.2469	.7349	-.3256	.0201	-.0314	-.2300	2.3627	-.0779	.0061	-.0364
23.31	6.00	2.3275	.8741	-.3373	.0293	-.0180	-.2055	2.4854	-.0614	.0204	-.0276
23.31	6.00	2.3189	.8721	-.3302	.0271	-.0157	-.1990	2.4767	-.0601	.0192	-.0247
25.33	6.00	2.3632	1.0021	-.3407	.0259	-.0142	-.1829	2.5665	-.0457	.0179	-.0235
25.33	6.00	2.3648	1.0004	-.3315	.0252	-.0144	-.1832	2.5672	-.0479	.0172	-.0234
27.35	6.00	2.3989	1.1394	-.3450	.0188	-.0191	-.1652	2.6556	-.0275	.0086	-.0254
27.35	6.00	2.3995	1.1380	-.3388	.0172	-.0176	-.1645	2.6555	-.0290	.0078	-.0233

Table 2 (Continued)

Run No. 136

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_W$	$C_A$	$C_n$	$C_l$
8.72	-6.00	1.2352	.1606	.1196	-.0097	.0584	.2690	1.2455	-.0128	-.0023	.0532
8.73	-6.00	1.2606	.1621	.1193	-.0099	.0588	.2674	1.2711	-.0149	-.0025	.0536
8.72	-6.00	1.2379	.1611	.1254	-.0097	.0514	.2615	1.2482	-.0128	-.0025	.0522
8.72	-3.00	1.2243	.1636	.1432	-.0041	.0568	.1310	1.2351	-.0064	-.0005	.0261
8.72	-3.00	1.2233	.1628	.1434	-.0041	.0260	.1315	1.2340	-.0090	-.0002	.0283
8.72	.00	1.1945	.1571	.1553	.0086	-.0011	-.0020	1.2047	-.0107	.0024	-.0014
8.73	.00	1.1976	.1584	.1595	.0022	-.0008	-.0014	1.2080	-.0099	.0021	-.0010
8.73	3.00	1.2182	.1637	.1532	.0068	.0241	-.1318	1.2291	-.0075	.0034	.0247
8.73	3.00	1.2155	.1635	.1493	.0074	-.0243	-.1281	1.2264	-.0073	.0039	-.0251
8.72	6.00	1.2267	.1592	.1432	.0142	-.0460	-.2686	1.2369	-.0131	.0076	-.0475
8.73	6.00	1.2305	.1599	.1441	.0139	-.0458	-.2692	1.2407	-.0129	.0074	-.0472
8.73	9.00	1.2534	.1560	.1114	.0188	-.0663	-.3958	1.2629	-.0199	.0094	-.0682
8.73	9.00	1.2534	.1553	.1178	.0190	-.0671	-.3995	1.2601	-.0206	.0094	-.0690
8.73	12.00	1.2533	.1363	.0867	.0237	-.0877	-.5293	1.2589	-.0395	.0113	-.0901
8.73	12.00	1.2523	.1355	.0826	.0238	-.0870	-.5297	1.2589	-.0401	.0114	-.0894
8.72	15.00	1.2167	.1053	.0724	.0231	-.1060	-.6481	1.2155	-.0651	.0081	-.1061
8.73	15.00	1.2237	.1072	.0710	.0234	-.1070	-.6485	1.2267	-.0641	.0083	-.1092
8.66	18.00	1.0884	.1283	.1028	.0205	-.1104	-.7489	1.0956	-.0244	.0138	-.1133
8.68	18.00	1.1081	.1320	.1002	.0292	-.1121	-.7604	1.1157	-.0235	.0133	-.1151
8.67	18.00	1.0975	.1301	.1038	.0287	-.1121	-.7678	1.1049	-.0239	.0128	-.1149
8.66	21.00	1.0722	.1010	.0838	.0280	-.1284	-.8769	1.0758	-.0492	.0099	-.1310
8.67	21.00	1.0829	.1013	.0797	.0284	-.1282	-.8768	1.0864	-.0504	.0102	-.1309
8.64	24.00	1.0207	.0736	.0638	.0296	-.1372	-.9662	1.0210	-.0691	.0103	-.1770
8.64	24.00	1.0250	.0730	.0594	.0285	-.1357	-.9711	1.0251	-.0704	.0093	-.1363
8.61	27.00	1.1443	.1369	-.0770	.0361	-.1512	-.11668	1.1323	-.0209	.0147	-.1547
8.62	27.00	1.1264	.1374	-.0725	.0357	-.1525	-.11664	1.1345	-.0227	.0142	-.1559
8.56	30.00	.8734	.0486	-.0594	.0406	-.1252	-.11362	.8716	-.0734	.0228	-.1246
8.56	30.00	.8782	.0496	-.1028	.0377	-.1238	-.11379	.8765	-.0731	.0201	-.1278
8.57	30.00	.8990	.0477	-.1135	.0406	-.1270	-.11407	.8968	-.0779	.0225	-.1314

Table 2 (Continued)

Run No. 139

$\alpha$	$\delta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{t,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
.09	.00	.0334	.0730	.2620	.0038	-.0009	-.0051	.0334	.0730	.0038	-.0009
.09	.00	.0329	.0734	.2651	.0037	-.0006	-.0025	.0328	.0734	.0037	-.0006
-8.54	.00	-1.1147	.1664	.2957	-.0017	.0020	.0007	-1.1269	.0096	-.0020	.0018
-8.53	.00	-1.1125	.1655	.2915	.0000	.0027	.0016	-1.1247	.0091	-.0004	.0027
-4.22	.00	-.5289	.0911	.2755	.0040	-.0006	-.0014	-.5339	.0541	.0041	-.0003
-4.22	.00	-.5257	.0897	.2769	.0040	-.0005	-.0035	-.5306	.0528	.0040	-.0002
.09	.00	.0334	.0724	.2631	.0038	-.0011	-.0025	.0334	.0724	.0040	-.0011
.09	.00	.0355	.0735	.2633	.0038	-.0007	-.0020	.0355	.0735	.0038	-.0007
4.40	.00	.5969	.0953	.2613	.0036	-.0009	-.0035	.6021	.0534	.0035	-.0012
4.40	.00	.5975	.0945	.2605	.0035	-.0004	-.0041	.6026	.0526	.0035	-.0006
8.71	.00	1.1710	.1554	.2312	.0027	-.0005	.0007	1.1812	-.0091	.0026	-.0009
8.71	.00	1.1710	.1550	.2276	.0024	-.0010	-.0004	1.1811	-.0095	.0019	-.0013
13.02	.00	1.7430	.2632	.1569	.0002	-.0010	-.0035	1.7596	-.1049	-.0000	-.0010
13.02	.00	1.7446	.2641	.1612	.0000	-.0006	-.0046	1.7614	-.1044	-.0002	-.0006
17.20	.00	2.0844	.5104	-.0050	.0174	.0090	.0055	2.1443	-.0839	.0192	.0039
19.25	.00	2.1084	.5101	.0012	.0161	.0085	.0013	2.1673	-.0200	.0204	.0030
19.25	.00	2.1996	.6204	-.0835	.0064	.0021	.0007	2.2836	-.0897	.0007	-.0000
19.26	.00	2.2103	.6221	-.0872	.0080	.0034	.0115	2.2942	-.0914	.0086	.0008
21.26	.00	2.2567	.7260	-.2171	.0117	.0203	.0130	2.3684	-.0894	.0145	.0057
21.28	.00	2.2524	.7256	-.2100	.0114	.0093	.0157	2.3648	-.0883	.0139	.0049
23.34	.00	2.3211	.8622	-.2905	.0196	.0211	.0002	2.5028	-.0813	.0261	.0122
23.34	.00	2.3527	.8650	-.2553	.0191	.0246	.0125	2.5057	-.0785	.0269	.0157
25.37	.00	2.4087	.9872	-.2530	.0169	.0193	.0130	2.6030	-.0762	.0233	.0108
25.36	.00	2.3980	.9857	-.2460	.0160	.0175	.0092	2.5910	-.0749	.0216	.0095
25.37	.00	2.4129	.9850	-.2490	.0143	.0200	.0109	2.6050	-.0814	.0213	.0127
27.37	.00	2.4062	1.1197	-.2852	.0175	.0203	.0061	2.6562	-.0497	.0133	.0090
27.37	.00	2.4156	1.1250	-.2760	.0043	.0145	.0003	2.6642	-.0479	.0095	.0098
29.33	.00	2.3393	1.2559	-.3849	.0122	.0079	-.0206	2.6351	.0106	.0115	.0013
29.33	.00	2.3441	1.2534	-.2980	.0122	.0056	-.0233	2.6382	.0062	.0134	-.0008
31.26	.00	2.2124	1.3583	-.3967	.0120	.0341	-.0105	2.5957	.0701	.0274	.0236
31.26	.00	2.2124	1.3563	-.3925	.0121	.0356	-.0115	2.5941	.0684	.0263	.0248

Table 2 (Continued)

Run No. 140

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
-8.50	.00	-1.0528	.1425	.0910	.0034	-.0005	-.0.21	-1.0623	-.0055	.0034	-.0001
-8.50	.00	-1.0496	.1456	.0894	.0010	-.0005	-.0110	-1.0590	-.0019	.0010	-.0003
-4.19	.00	-.4729	.0773	.1133	.0049	-.0021	-.0029	-.4771	.0440	.0050	-.0017
-4.19	.00	-.4745	.0770	.1133	.0047	-.0024	-.0110	-.4787	.0437	.0048	-.0021
.11	.00	.0760	.0655	.1451	.0037	-.0021	-.0110	.0760	.0655	.0037	-.0020
.11	.00	.0787	.0656	.1447	.0034	-.0018	-.0115	.0787	.0650	.0034	-.0018
4.41	.00	.6273	.0896	.1857	.0026	-.0019	-.0094	.6320	.0456	.0025	-.0020
4.41	.00	.6263	.0898	.1846	.0022	-.0017	-.0121	.6310	.0450	.0021	-.0019
8.72	.00	1.1870	.518	.1892	.0021	-.0021	-.0035	1.1965	-.0149	.0018	-.0023
8.71	.00	1.1726	.1499	.1857	.0015	-.0029	-.0094	1.1820	-.0148	.0011	-.0031
13.01	.00	1.7345	.2578	.1357	.0012	-.0039	-.0025	1.7501	-.1065	.0003	-.0041
13.02	.00	1.7499	.2604	.1447	.0011	-.0025	-.0057	1.7658	-.1091	.0006	-.0026
17.20	.00	2.0977	.4943	.0331	.0186	.0047	.0061	2.1527	-.1030	.0191	-.0006
17.20	.00	2.1025	.4985	.0285	.0159	.0062	.0061	2.1584	-.1003	.0169	.0016
19.24	.00	2.1857	.6149	-.0302	.0040	.0056	.0135	2.2687	-.0907	.0056	.0043
19.25	.00	2.1911	.6138	-.0474	.0053	.0029	.0135	2.2734	-.0934	.0059	.0011
21.29	.00	2.2636	.7214	-.1550	.0100	.0069	.0050	2.3738	-.0963	.0117	.0031
21.29	.00	2.2679	.7220	-.1501	.0117	.0078	.0050	2.3780	-.0972	.0136	.0034
23.33	.00	2.3361	.8413	-.2062	.0134	.0160	-.0067	2.4812	-.0951	.0184	.0098
23.33	.00	2.3479	.8444	-.2020	.0122	.0147	-.0066	2.4932	-.0966	.0168	.0091
25.36	.00	2.3905	.9752	-.2144	.0132	.0159	.0066	2.5805	-.0814	.0185	.0091
25.35	.00	2.3809	.9772	-.2200	.0134	.0173	.0183	2.5725	-.0757	.0192	.0103
27.36	.00	2.4007	1.1126	-.2575	.0042	.0062	-.0014	2.6454	-.0523	.0065	.0038
27.36	.00	2.3948	1.1112	-.2454	.0023	.0098	.0167	2.6395	-.0511	.0063	.0078



Table 2 (Continued)

Run No. 141

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{m,v}$	$C_{l,s}$	$C_y$	$C_H$	$C_A$	$C_n$	$C_l$
-8.50	3.00	-1.0409	.1525	.0758	.0045	-.0080	-.1547	-1.0520	.0061	.0056	-.0073
-8.50	3.00	-1.0431	.1494	.0764	.0065	-.0089	-.1588	-1.0537	.0027	.0077	-.0079
-4.19	3.00	-.4634	.0827	.1091	.0091	-.0152	-.1593	-.4740	.0497	.0101	-.0145
-4.19	3.00	-.4705	.0821	.1107	.0099	-.0139	-.1523	-.4750	.0491	.0108	-.0132
.11	3.00	.0899	.0706	.1373	.0079	-.0174	-.1508	.0898	.0706	.0079	-.0174
.11	3.00	.0856	.0706	.1363	.0079	-.0169	-.1519	.0856	.0706	.0079	-.0168
4.41	3.00	.6423	.0941	.1781	.0050	-.0201	-.1372	.6473	.0430	.0036	-.0204
4.41	3.00	.6428	.0932	.1784	.0051	-.0204	-.1388	.6477	.0481	.0037	-.0207
8.72	3.00	1.1985	.1544	.1763	.0051	-.0225	-.1255	1.2083	-.0139	.0020	-.0230
8.72	3.00	1.1990	.1546	.1720	.0058	-.0233	-.1266	1.2088	-.0137	.0025	-.0238
13.01	3.00	1.7453	.2710	.1222	.0031	-.0260	-.1238	1.7635	-.0978	-.0024	-.0261
13.01	3.00	1.7437	.2725	.1214	.0049	-.0255	-.1218	1.7622	-.0960	-.0005	-.0259
17.16	3.00	2.0332	.4912	-.0522	.0216	-.0117	-.1344	2.0898	-.0882	.0175	-.0171
17.16	3.00	2.0460	.4906	-.0611	.0211	-.0106	-.1306	2.1019	-.0923	.0174	-.0160
19.22	3.00	2.1057	.6152	-.1492	.0111	-.0212	-.1086	2.1927	-.0656	.0040	-.0236
19.22	3.00	2.1398	.6240	-.1573	.0078	-.0221	-.1030	2.2279	-.0678	.0006	-.0234
21.27	3.00	2.2321	.7197	-.1446	.0151	-.0081	-.1119	2.3436	-.0872	.0114	-.0128
21.26	3.00	2.2198	.7167	-.1911	.0137	-.0104	-.1065	2.3311	-.0857	.0093	-.0144
23.32	3.00	2.3318	.8731	-.2963	.0234	.0049	-.0983	2.4816	-.0825	.0235	-.0042
23.32	3.00	2.3340	.8478	-.2411	.0188	.0019	-.0970	2.4816	-.0882	.0182	-.0053
25.34	3.00	2.3644	.9822	-.2333	.0201	.0004	-.0871	2.5594	-.0644	.0185	-.0079
25.34	3.00	2.3740	.9847	-.2361	.0188	.0034	-.0840	2.5692	-.0660	.0185	-.0045
27.37	3.00	2.4161	1.1237	-.2677	.0200	.0009	-.0762	2.6641	-.0492	.0184	-.0430
27.37	3.00	2.4209	1.1245	-.2655	.0171	.0008	-.0720	2.6688	-.0505	.0157	-.0067

Table 2 (Continued)

Run No. 142

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{t,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_t$
-8.49	6.00	-1.0137	.1448	.0584	.0167	-.0211	-.3185	-1.0240	.0023	.0194	-.0186
-8.49	6.00	-1.0079	.1449	.0547	.0153	-.0188	-.3181	-1.0182	.0032	.0178	-.0165
-4.19	6.00	-.4548	.0813	.0934	.0185	-.0297	-.3122	-.4593	.0404	.0205	-.0283
-4.19	6.00	-.4553	.0814	.0903	.0176	-.0292	-.3132	-.4598	.0404	.0196	-.0279
.12	6.00	.1087	.0677	.1284	.0153	-.0336	-.2986	.1086	.0677	.0153	-.0336
.12	6.00	.1108	.0677	.1256	.0147	-.0335	-.2927	.1108	.0577	.0147	-.0335
4.41	6.00	.6579	.0939	.1463	.0132	-.0328	-.2735	.6688	.0479	.0104	-.0396
4.41	6.00	.6568	.0939	.1512	.0108	-.0390	-.2697	.6617	.0470	.0080	-.0396
8.72	6.00	1.8209	.1540	.1742	.0119	-.0438	-.2547	1.8304	-.0174	.0057	-.0450
8.72	6.00	1.8155	.1548	.1742	.0117	-.0447	-.2554	1.8252	-.0159	.0054	-.0459
13.00	6.00	1.7481	.2701	.1183	.0092	-.0502	-.2489	1.7661	-.0993	-.0014	-.0510
13.00	6.00	1.7492	.2717	.1259	.0093	-.0503	-.2490	1.7674	-.0979	-.0014	-.0511
17.12	6.00	1.9776	.4961	-.1185	.0241	-.0373	-.2532	2.0377	-.0682	.0129	-.0425
17.12	6.00	1.9840	.4984	-.1317	.0247	-.0366	-.2502	2.0445	-.0677	.0136	-.0420
19.19	6.00	2.0965	.5939	-.1957	.0235	-.0376	-.2492	2.1774	-.0830	.0107	-.0429
19.19	6.00	2.1056	.5951	-.2015	.0217	-.0379	-.2541	2.1864	-.0846	.0090	-.0427
21.24	6.00	2.1936	.7113	-.2131	.0200	-.0272	-.2317	2.3046	-.0818	.0095	-.0324
21.24	6.00	2.1988	.7166	-.2113	.0200	-.0287	-.2243	2.3018	-.0752	.0090	-.0338
23.28	6.00	2.2682	.8513	-.2371	.0263	-.0144	-.2042	2.4280	-.0604	.0190	-.0232
23.28	6.00	2.2709	.8479	-.2400	.0200	-.0137	-.2086	2.4232	-.0645	.0218	-.0236
25.32	6.00	2.3323	.9781	-.2619	.0251	-.0150	-.1866	2.5284	-.0551	.0168	-.0239
25.31	6.00	2.3275	.9812	-.2541	.0253	-.0143	-.1832	2.5253	-.0503	.0172	-.0233
27.36	6.00	2.4060	1.1229	-.2778	.0219	-.0134	-.1645	2.6565	-.0463	.0112	-.0270
27.35	6.00	2.3952	1.1190	-.3002	.0189	-.0149	-.1604	2.6433	-.0443	.0104	-.0216

Table 2 (Continued)

Run No. 143

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{i,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_i$
8.72	-6.00	1.2475	.1583	.1662	-.0067	.0436	.2601	1.2574	-.0169	-.0006	.0441
8.72	-6.02	1.2491	.1567	.1585	-.0081	.0436	.2589	1.2587	-.0187	-.0009	.0444
8.72	-3.00	1.2195	.1574	.1668	-.0012	.0210	.1259	1.2295	-.0138	.0016	.0209
8.73	-3.00	1.2281	.1593	.1679	-.0018	.0216	.1249	1.2383	-.0132	.0013	.0216
8.72	.00	1.1907	.1514	.1812	.0015	-.0013	-.0025	1.2002	-.0158	.0013	-.0015
8.72	.00	1.1907	.1496	.1803	.0015	-.0010	-.0041	1.1999	-.0175	.0013	-.0012
8.72	3.00	1.2081	.1557	.1756	.0058	-.0229	.1255	1.2180	-.0139	.0026	-.0235
8.72	3.00	1.2091	.1559	.1762	.0057	-.0231	.1245	1.2190	-.0139	.0024	-.0237
8.72	6.00	1.2150	.1544	.1714	.0107	-.0444	-.2543	1.2246	-.0162	.0045	-.0454
8.72	6.00	1.2196	.1535	.1791	.0109	-.0445	-.2568	1.2293	-.0177	.0045	-.0459
8.72	9.00	1.2300	.1486	.1626	.0167	-.0659	-.3878	1.2387	-.0239	.0074	-.0675
8.72	9.00	1.2385	.1490	.1635	.0179	-.0667	-.3946	1.2472	-.0249	.0085	-.0685
8.72	12.00	1.2219	.1254	.1517	.0242	-.0865	-.5284	1.2274	-.0459	.0119	-.0890
8.71	12.00	1.2165	.1266	.1506	.0233	-.0860	-.5260	1.2223	-.0439	.0111	-.0884
8.71	15.00	1.1959	.0967	.1526	.0243	-.1060	-.6571	1.1978	-.0706	.0093	-.1083
8.72	15.00	1.2007	.0932	.1507	.0246	-.1070	-.6660	1.2020	-.0748	.0095	-.1094
8.64	18.00	1.0527	.1168	.2179	.0319	-.1125	-.7697	1.0586	-.0306	.0159	-.1158
8.65	18.00	1.0591	.1191	.2224	.0333	-.1125	-.7721	1.0653	-.0294	.0173	-.1161
8.63	21.00	1.0056	.1005	.1903	.0369	-.1257	-.8938	1.0097	-.0404	.0191	-.1296
8.63	21.00	1.0157	.0987	.1998	.0370	-.1270	-.8929	1.0195	-.0436	.0190	-.1309
8.61	24.00	.9780	.0663	.1799	.0362	-.1374	-.9923	.9777	-.0705	.0167	-.1410
8.61	24.00	.9807	.0665	.1917	.0360	-.1365	-.9889	.9804	-.0706	.0167	-.1402
8.60	27.00	1.0917	.1304	.0346	.0462	-.1497	-.11959	1.0992	-.0226	.0250	-.1146
8.60	27.00	1.1035	.1261	.0179	.0468	-.1495	-.11999	1.1105	-.0267	.0255	-.1545
8.54	30.00	.8462	.0385	.0455	.0500	-.1256	-.11691	.8433	-.0796	.0321	-.1313
8.55	30.00	.8536	.0339	.0567	.0528	-.1255	-.11792	.8500	-.0852	.0348	-.1316
8.71	-9.00	1.2579	.1493	.1558	-.0130	.0652	.3911	1.2664	-.0272	-.0038	.0664
8.71	-9.00	1.2595	.1491	.1577	-.0125	.0652	.3938	1.2680	-.0276	-.0033	.0663

Table 2 (Continued)

Run No. 144

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_y$	$C_M$	$C_A$	$C_n$	$C_L$
-8.50	.00	-1.0411	.1388	.0564	.0038	-.0010	-.0073	-1.0502	-.0074	.0039	-.0005
-8.50	.00	-1.0437	.1412	.0570	.0002	-.0014	-.0041	-1.0532	-.0054	.0003	-.0014
-4.18	.00	-.4542	.0699	.0700	.0072	-.0027	-.0137	-.4577	.0380	.0073	-.0022
-4.18	.00	-.4532	.0700	.0701	.0074	-.0034	-.0121	-.4569	.0382	.0076	-.0029
.12	.00	.0931	.0609	.0860	.0062	-.0028	-.0094	.0931	.0609	.0062	-.0027
.12	.00	.0915	.0611	.1030	.0056	-.0019	-.0051	.0915	.0611	.0056	-.0019
.12	.00	.0867	.0586	.0985	.0052	-.0024	-.0051	.0867	.0586	.0052	-.0024
.12	.00	.0872	.0591	.1029	.0055	-.0027	-.0067	.0872	.0591	.0055	-.0027
4.42	.00	.6412	.0886	.1364	.0046	-.0014	-.0078	.6454	.0377	.0045	-.0017
4.42	.00	.6423	.0830	.1363	.0040	-.0016	-.0046	.6465	.0380	.0039	-.0018
8.73	.00	1.2019	.1449	.1461	-.0003	-.0018	-.0014	1.2104	-.0238	-.0005	-.0017
8.73	.00	1.2067	.1486	.1459	-.0000	-.0024	-.0035	1.2156	-.0208	-.0003	-.0024
13.02	.00	1.7595	.2644	.0953	.0020	-.0020	-.0004	1.7760	-.1072	.0024	-.0025
13.02	.00	1.7590	.2632	.0941	.0030	-.0025	-.0035	1.7752	-.1083	.0024	-.0030
17.21	.00	2.1185	.5033	-.0129	.0189	.0069	.0055	2.1751	-.1001	.0201	.0014
17.21	.00	2.1249	.5024	-.0046	.0179	.0079	.0045	2.1811	-.1028	.0194	.0027
19.26	.00	2.2145	.6149	-.0950	.0071	.0026	.0087	2.2361	-.0995	.0075	.0003
19.26	.00	2.2188	.6153	-.0827	.0068	.0034	.0114	2.2306	-.0995	.0075	.0011
21.30	.00	2.2855	.7227	-.2074	.0078	.0107	.0183	2.3348	-.1025	.0109	.0073
21.29	.00	2.2748	.7228	-.1970	.0098	.0096	.0119	2.3848	-.0988	.0125	.0056
25.35	.00	2.3735	.8463	-.2667	.0105	.0127	.0029	2.5176	-.1044	.0144	.0078
23.36	.00	2.3980	.8473	-.2576	.0138	.0142	.0002	2.5410	-.1122	.0181	.0080
25.38	.00	2.4241	.9836	-.2793	.0116	.0170	.0002	2.6146	-.0874	.0179	.0117
25.37	.00	2.4215	.9824	-.2687	.0141	.0139	.0077	2.6117	-.0874	.0205	.0115
27.39	.00	2.4524	1.1298	-.3237	.0045	.0121	.0082	2.6994	-.0596	.0093	.0089
27.39	.00	2.4492	1.1302	-.3217	.0055	.0120	.0077	2.6967	-.0579	.0102	.0084

Table 2 (Continued)

Run No. 145

$\alpha$	$\beta$	$C_L$	$C_{D^*}$	$C_m$	$C_{n,v}$	$C_{L,n}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_L$
-6.49	3.00	-1.0297	.1425	.0479	.0085	-.0094	-.1636	-1.0395	-.0022	.0097	-.0061
-6.49	3.00	-1.0271	.1433	.0430	.0090	-.0092	-.1607	-1.0370	-.0011	.0110	-.0078
-4.18	3.00	-.4506	.0733	.0604	.0142	-.0130	-.1572	-.4547	.0417	.0158	-.0127
-4.18	3.00	-.4518	.0746	.0637	.0113	-.0146	-.1573	-.4559	.0429	.0122	-.0138
.12	3.00	.1112	.0647	.0929	.0081	-.0161	-.1366	.1112	.0447	.0061	-.0161
.13	3.00	.1144	.0645	.0899	.0079	-.0164	-.1367	.1144	.0445	.0079	-.0164
4.43	3.00	.6636	.0853	.1275	.0043	-.0123	-.1305	.6631	.0418	.0029	-.0195
4.43	3.00	.6631	.0878	.1306	.0045	-.0192	-.1331	.6676	.0413	.0031	-.0194
8.74	3.00	1.2315	.1516	.1356	.0031	-.0231	-.1242	1.2406	-.0213	-.0001	-.0233
13.02	3.00	1.2347	.1522	.1394	.0034	-.0227	-.1242	1.2438	-.0211	.0002	-.0229
13.02	3.00	1.7688	.2723	.0753	.0013	-.0252	-.1147	1.7867	-.1014	-.0040	-.0249
15.02	3.00	1.7704	.2724	.0757	.0010	-.0253	-.1147	1.7883	-.1017	-.0042	-.0249
17.22	3.00	2.1356	.4734	-.0821	.0078	-.0113	-.1154	2.1832	-.1335	.0023	-.0197
17.22	3.00	2.1469	.4739	-.0990	.0069	-.0119	-.1161	2.1865	-.1346	.0014	-.0200
19.22	3.00	2.1560	.6235	-.2006	.0061	-.0217	-.0533	2.2450	-.0739	-.0009	-.0225
19.22	3.00	2.1500	.6242	-.2030	.0047	-.0225	-.0550	2.2376	-.0707	-.0024	-.0226
21.26	3.00	2.2593	.7253	-.2363	.0124	-.0116	-.1009	2.3711	-.0922	.0077	-.0151
21.29	3.00	2.2721	.7255	-.2434	.0103	-.0097	-.0949	2.3832	-.0954	.0064	-.0126
23.33	3.00	2.3510	.8552	-.2812	.0179	.0046	-.0555	2.5002	-.0878	.0184	-.0023
23.33	3.00	2.3516	.8563	-.2804	.0185	.0051	-.0693	2.5011	-.0870	.0190	-.0023
25.36	3.00	2.4044	.9996	-.2837	.0136	.0007	-.0686	2.6031	-.0847	.0128	-.0050
25.36	3.00	2.4001	.9934	-.2831	.0155	.0009	-.0699	2.5966	-.0687	.0145	-.0055
27.36	3.00	2.4497	1.1305	-.3102	.0124	.0003	-.0497	2.6973	-.0577	.0112	-.0052
27.39	3.00	2.4556	1.1357	-.3160	.0110	-.0035	-.0510	2.7049	-.0557	.0064	-.0079

Table 2 (Continued)

Run No. 146

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,N}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_i$
-8.48	6.00	-.9567	.1409	.0106	.0139	-.0168	-.3054	-1.0066	.0008	.0160	-.0147
-8.49	6.00	-1.0015	.1398	.0176	.0148	-.0174	-.3122	-1.0112	-.0010	.0171	-.0152
-4.18	6.00	-.4318	.0708	.0457	.0151	-.0272	-.3068	-.4357	.0405	.0169	-.0262
-4.18	6.00	-.4292	.0709	.0419	.0151	-.0274	-.3079	-.4330	.0408	.0169	-.0262
.13	6.00	.1423	.0590	.0748	.0120	-.0321	-.2858	-.1422	.0590	.0120	-.0321
.13	6.00	.1433	.0601	.0741	.0123	-.0318	-.2870	.1433	.0601	.0123	-.0318
4.43	6.00	.6931	.0871	.1018	.0053	-.0388	-.2630	.6974	.0385	.0026	-.0390
4.43	6.00	.6952	.0865	.0979	.0067	-.0376	-.2650	.6995	.0378	.0040	-.0380
8.74	6.00	1.2481	.1490	.1185	.0055	-.0436	-.2530	1.2566	-.0261	.0006	-.0440
8.74	6.00	1.2486	.1480	.1224	.0065	-.0431	-.2497	1.2570	-.0272	.0005	-.0435
13.02	6.00	1.7796	.2729	.0645	.0028	-.0497	-.2312	1.7974	-.1031	-.0076	-.0492
13.02	6.00	1.7743	.2705	.0598	.0041	-.0490	-.2283	1.7917	-.1043	-.0062	-.0487
17.14	6.00	2.0032	.5012	-.1692	.0196	-.0373	-.2385	2.0637	-.0704	.0086	-.0413
17.16	6.00	2.0443	.4980	-.1788	.0188	-.0372	-.2394	2.1023	-.0847	.0079	-.0409
19.21	6.00	2.1461	.6033	-.2505	.0169	-.0371	-.2289	2.2275	-.0894	.0046	-.0405
19.21	6.00	2.1489	.5976	-.2568	.0171	-.0379	-.2363	2.2227	-.0938	.0046	-.0413
21.25	6.00	2.2160	.7188	-.2746	.0118	-.0294	-.2087	2.3282	-.0825	.0010	-.0317
21.26	6.00	2.2352	.7237	-.2724	.0123	-.0288	-.2139	2.3479	-.0844	.0017	-.0313
23.31	6.00	2.3189	.8615	-.2940	.0178	-.0171	-.1839	2.4727	-.0699	.0101	-.0225
23.30	6.00	2.3109	.8482	-.2945	.0197	-.0167	-.1815	2.4641	-.0700	.0120	-.0229
25.33	6.00	2.3653	.9963	-.3067	.0165	-.0178	-.1560	2.5661	-.0518	.0078	-.0229
25.34	6.00	2.3781	.9961	-.3178	.0174	-.0170	-.1575	2.5776	-.0573	.0089	-.0226
27.37	6.00	2.4385	1.1349	-.3479	.0118	-.0193	-.1387	2.6838	-.0463	.0021	-.0225
27.38	6.00	2.4427	1.1388	-.3466	.0130	-.0167	-.1358	2.6446	-.0472	.0044	-.0207

Table 2 (Continued)

Run No. 147

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
8.73	-9.00	1.2819	.1368	.0959	-.0026	.0624	.3715	1.2868	-.0410	.0061	.0621
8.73	-6.00	1.2840	.1557	.1154	.0093	.0369	.2474	1.2734	-.0217	.0146	.0373
8.73	-6.00	1.2846	.1501	.1099	-.0041	.0411	.2415	1.2731	-.0274	.0011	.0412
8.73	-3.00	1.2393	.1550	.1196	-.0004	.0191	.1204	1.2467	-.0190	.0073	.0190
8.73	-3.00	1.2393	.1546	.1229	-.0006	.0206	.1225	1.2467	-.0193	.0021	.0204
8.73	.00	1.1987	.1466	.1387	-.0004	-.0018	-.0030	1.2074	-.0216	-.0007	-.0017
8.72	.00	1.1966	.1467	.1444	-.0007	-.0016	-.0013	1.2054	-.0212	-.0009	-.0015
8.73	3.00	1.2276	.1517	.1329	.0023	-.0223	.1247	1.2369	-.0206	-.0008	-.0224
8.73	3.00	1.2251	.1522	.1349	.0036	-.0218	.1237	1.2343	-.0198	.0005	-.0221
8.73	6.00	1.2433	.1487	.1199	.0064	-.0429	-.2508	1.2518	-.0257	.0004	-.0433
8.73	6.00	1.2417	.1460	.1175	.0066	-.0432	-.2551	1.2501	-.0263	.0005	-.0437
8.73	9.00	1.2614	.1365	.1021	.0103	-.0644	-.3835	1.2681	-.0404	.0012	-.0652
8.74	9.00	1.2625	.1387	.1049	.0102	-.0642	-.3817	1.2695	-.0384	.0012	-.0650
8.73	12.00	1.2539	.1100	.0668	.0144	-.0844	-.5118	1.2569	-.0656	.0024	-.0856
8.73	12.00	1.2555	.1114	.0713	.0146	-.0852	-.5086	1.2587	-.0644	.0026	-.0864
8.73	15.00	1.2343	.0710	.0420	.0160	-.1035	-.5912	1.2321	-.1015	.0014	-.1047
8.74	15.00	1.2375	.0704	.0438	.0166	-.1042	-.5937	1.2352	-.1025	.0019	-.1055
8.66	18.00	1.0836	.1094	.1697	.0282	-.1 24	-.7484	1.0882	-.0425	.0093	-.1 48
8.66	18.00	1.0804	.1111	.1691	.0243	-.1 12	-.7467	1.0853	-.0404	.0086	-.1135
8.65	21.00	1.0456	.0750	.1783	.0210	-.1262	-.8639	1.0458	-.0713	.0032	-.1279
8.65	21.00	1.0440	.0764	.1688	.0205	-.1272	-.8630	1.0447	-.0676	.0026	-.1288
8.61	24.00	.9754	.0597	.1612	.0184	-.1327	-.9491	.9742	-.0767	-.0003	-.1339
8.62	24.00	.9823	.0577	.1597	.0205	-.1326	-.9511	.9807	-.0795	.0018	-.1342
8.60	27.00	1.0912	.1284	.0174	.0293	-.1482	-.11523	1.0984	-.0247	.0084	-.1508
8.61	27.00	1.1061	.1257	.0156	.0286	-.1454	-.11543	1.1128	-.0294	.0080	-.1479
8.53	30.00	.8291	.0333	.0440	.0350	-.1196	-.11233	.8256	-.0824	.0180	-.1232
8.54	30.00	.8419	.0379	.0427	.0346	-.1211	-.11232	.8369	-.0797	.0174	-.1247

Table 2 (Continued)

Run No. 148

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_H$	$C_A$	$C_n$	$C_L$
8.72	-9.00	1.2686	.1300	.1282	-.0001	.0627	.3581	1.2755	-.0389	.0086	.0620
8.72	-9.00	1.2697	.1394	.1249	-.0000	.0619	.3544	1.2767	-.0387	.0086	.0612
8.72	-6.00	1.2464	.1516	.1498	.0014	.0406	.2315	1.2554	-.0234	.0070	.0400
8.72	-6.00	1.2427	.1514	.1453	.0007	.0403	.2283	1.2516	-.0230	.0063	.0398
8.72	-3.00	1.2089	.1525	.1621	.0013	.0198	.1102	1.2183	-.0172	.0041	.0194
8.72	-3.00	1.2186	.1525	.1602	.0017	.0199	.1166	1.2220	-.0177	.0044	.0194
8.72	.00	1.1633	.1452	.1887	.0009	-.0014	-.0062	1.1919	-.0209	.0007	.0015
8.72	.00	1.1639	.1451	.1880	.0005	-.0012	-.0035	1.1945	-.0214	.0004	.0013
8.72	3.00	1.2011	.1426	.1673	.0022	-.0043	-.1273	1.2102	-.0191	-.0012	-.0244
8.72	3.00	1.2006	.1494	.1675	.0025	-.0224	-.1241	1.2097	-.0191	-.0006	-.0226
8.73	6.00	1.2289	.1481	.1554	.0046	-.0436	-.2471	1.2375	-.0644	-.0015	-.0438
8.72	6.00	1.2278	.1482	.1517	.0035	-.0437	-.2471	1.2364	-.0641	-.0026	-.0438
8.72	9.00	1.2438	.1366	.1344	.0061	-.0658	.3788	1.2577	-.0378	.0031	.0659
8.73	9.00	1.2444	.1369	.1326	.0065	-.0643	.3713	1.2513	-.0376	.0025	.0645
8.72	12.00	1.2347	.1114	.0847	.0075	-.0847	.4937	1.2381	-.0616	.0044	.0849
8.72	12.00	1.2224	.1093	.0923	.0097	-.0852	.4956	1.2257	-.0619	.0023	.0857
8.72	15.00	1.2141	.0726	.0592	.0107	-.1036	.5770	1.2123	-.0970	.0038	.1040
8.72	15.00	1.2199	.0728	.0619	.0101	-.1038	.5786	1.2181	-.0977	.0044	.1042
8.66	18.00	1.0798	.1098	.1576	.0216	-.1099	.7402	1.0846	-.0415	.0060	.1118
8.66	18.00	1.0788	.1104	.1564	.0216	-.1116	.7431	1.0836	-.0408	.0059	.1135
8.65	21.00	1.0445	.0775	.1688	.0207	-.1260	.8563	1.0451	-.0687	.0030	.1276
8.64	21.00	1.0354	.0794	.1764	.0199	-.1275	.8583	1.0363	-.0655	.0020	.1289



Table 2 (Continued)

Run No. 149

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,V}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
.22	-6.00	.3176	.1152	.4507	.011	.0406	-.2147	.3176	.1152	.0111	.0406
.22	-4.00	.3181	.1164	.4554	.0109	.0401	-.2162	.3181	.1164	.0109	.0401
.22	-3.00	.2964	.1212	.4725	.0174	.0219	-.3556	.2964	.1212	.0174	.0219
.22	-3.00	.2975	.1219	.4693	.0177	.0202	-.3614	.2975	.1219	.0177	.0201
.22	.00	.2729	.1209	.4301	.0291	.0023	-.5033	.2729	.1208	.0291	.0023
.22	.00	.2766	.1228	.4420	.0257	.0022	-.4595	.2766	.1228	.0257	.0022
.23	3.00	.3128	.1225	.4022	.0323	-.0176	-.6549	.3128	.1225	.0323	-.0175
.23	3.00	.3112	.1219	.4028	.0331	-.0160	-.6586	.3112	.1219	.0331	-.0160
.25	6.00	.3481	.1124	.3709	.0368	-.0363	-.8108	.3481	.1124	.0368	-.0363
.25	6.00	.3471	.1123	.3694	.0367	-.0368	-.8103	.3471	.1123	.0367	-.0368
.22	9.00	.3115	.0501	.4438	.0186	-.0567	-.4398	.3115	.0500	.0186	-.0567
.22	9.00	.3115	.0502	.4434	.0185	-.0572	-.4409	.3115	.0501	.0185	-.0572

Table 2 (Continued)

Run No. 150

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{t,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_t$
4.51	-6.00	.8589	.1114	.4861	-.0058	.0432	.2509	.8246	.0512	-.0027	.0435
4.51	-6.00	.8589	.1112	.4857	-.0059	.0437	.2509	.8646	.0510	-.0028	.0440
4.51	-3.00	.8318	.1189	.5093	-.0054	.0213	.1229	.8380	.0585	-.0040	.0216
4.51	-3.00	.8324	.1167	.5086	-.0057	.0218	.1219	.8385	.0583	-.0042	.0221
4.52	.00	.8135	.1133	.5129	-.0035	-.0022	-.0115	.8193	.0563	-.0036	-.0019
4.51	.00	.8049	.1131	.5092	-.0039	-.0014	-.0115	.8108	.0567	-.0040	-.0011
4.51	3.00	.8242	.1170	.5005	-.0004	-.0244	-.1435	.8303	.0592	-.0021	-.0243
4.51	3.00	.8236	.1160	.4997	-.0004	-.0242	-.1440	.8297	.0583	-.0021	-.0242
4.51	6.00	.8387	.1101	.4748	.0036	-.0429	-.1778	.8443	.0513	.0003	-.0470
4.51	6.00	.8403	.1117	.4729	.0016	-.0470	-.1790	.8460	.0526	-.0017	-.0469
4.51	9.00	.8542	.0950	.4490	.0125	-.0685	-.4117	.8581	.0352	.0077	-.0692
4.51	9.00	.8553	.0955	.4482	.0121	-.0679	-.4085	.8599	.0356	.0073	-.0685

Table 2 (Continued)

Run No. 151

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{h,v}$	$C_{t,s}$	$C_Y$	$C_W$	$C_A$	$C_h$	$C_t$
8.81	-6.00	1.4082	.1834	.4929	-.0047	.0520	.2345	1.4140	-.0135	.0026	.0521
8.81	-6.00	1.4086	.1839	.4875	-.0047	.0517	.2378	1.4204	-.0139	.0026	.0518
8.81	-3.00	1.3806	.1873	.5040	-.0035	.0265	.1190	1.3932	-.0067	.0002	.0267
8.81	-3.00	1.3827	.1853	.5019	-.0046	.0257	.1146	1.3951	-.0089	.0010	.0261
8.81	.00	1.3475	.1855	.5104	-.0015	-.0013	-.0004	1.3602	-.0038	.0016	-.0011
8.81	.00	1.3443	.1863	.5135	-.0008	-.0021	.0013	1.3571	-.0026	.0010	-.0020
8.81	3.00	1.3616	.1918	.4906	.0027	-.0224	-.1233	1.3751	.0005	.0014	-.0295
8.81	3.00	1.3622	.1929	.4923	.0225	-.0260	-.1206	1.3757	.0014	.0014	-.0261
8.80	6.00	1.3659	.1913	.4719	.0351	-.0343	-.2401	1.3792	-.0007	.0025	-.0545
8.80	6.00	1.3670	.1919	.4597	.0048	-.0348	-.2461	1.3804	-.0032	.0029	-.0549
8.79	9.00	1.3686	.1811	.4216	.0110	-.0783	-.3707	1.3805	-.0112	.0000	-.0791
8.79	9.00	1.3654	.1830	.4294	.0111	-.0795	-.3711	1.3776	-.0089	.0001	-.0803
8.73	12.00	1.2555	.2062	.2958	.0175	-.1000	-.4897	1.2719	.0235	.0034	-.1014
8.74	12.00	1.2667	.2062	.2898	.0188	-.0987	-.4917	1.2830	.0279	.0048	-.1004
8.70	15.00	1.1693	.2032	.2327	.0396	-.1122	-.6180	1.1861	.0385	.0236	-.1166
8.70	15.00	1.1735	.1962	.2531	.0402	-.1100	-.6194	1.1894	.0399	.0245	-.1145

Table 2 (Continued)

Run No. 152

$\alpha$	$\beta$	$C_L$	$C_{p^*}$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_{x^*}$	$C_N$	$C_A$	$C_n$	$C_l$
12.90	-1.00	1.6951	.4002	.2564	-.0075	.0491	.2417	-.7122	.0330	.0009	.0500
12.90	-1.00	1.6955	.3994	.2571	-.0105	.0492	.2417	-.7124	.0335	-.0000	.0502
12.90	-3.00	1.6927	.3982	.2620	-.0037	.0482	.2431	-.7092	.0430	.0000	.0485
12.96	-3.00	1.6914	.3983	.2590	-.0042	.0480	.2442	-.7196	.0410	-.0000	.0490
12.97	.00	1.6993	.3902	.2631	.0020	-.0010	.0061	1.7041	.0211	.0016	-.0013
12.97	.00	1.6024	.3994	.2625	.0011	-.0019	-.0005	1.7070	.0353	.0000	-.0031
12.96	3.00	1.6021	.3979	.2605	.0012	-.0210	-.1174	1.7014	.0330	-.0040	-.0244
12.96	3.00	1.6015	.3970	.2328	.0023	-.023	-.1137	1.7057	.0331	-.0027	-.0236
12.94	6.00	1.6415	.3910	.0951	.0109	-.0497	-.0339	1.6246	.0312	.0003	-.0500
12.95	6.00	1.6417	.3822	.0892	.0101	-.0481	-.0325	1.6851	.0310	-.0001	-.0491
12.91	9.00	1.5889	.4010	.0769	.0250	-.0664	-.0423	1.6310	.0336	.0100	-.0701
12.91	9.00	1.5883	.4017	.0856	.0246	-.0681	-.0410	1.6309	.0333	.0101	-.0717

Table 2 (Continued)

Run No. 153

$\alpha$	$\beta$	$\phi_L$	$\phi_p$	$\phi_m$	$\phi_{n,v}$	$\phi_{t,s}$	$\phi_y$	$\phi_w$	$\phi_A$	$\phi_n$	$\phi_t$
17.12	-6.00	2.0180	.5600	-.0077	-.0110	.0436	2305	2.0750	-.0173	.0006	.0452
17.13	-5.00	2.0259	.5405	-.0070	-.0131	.0436	2301	2.0718	-.0173	-.0007	.0455
17.14	-3.00	2.0175	.5408	-.0244	-.0124	.0172	1177	2.0730	-.0170	-.0072	.0200
17.14	-3.00	2.0213	.5400	-.0173	-.0120	.0136	1172	2.0730	-.0188	-.0064	.0214
17.13	00	1.9724	.5577	-.0210	-.0077	.0077	.0077	2.0744	-.0082	.0114	-.0045
17.14	00	1.9900	.5572	.0225	-.0100	-.0075	.0075	2.0672	-.0139	-.0115	-.0044
17.13	3.00	1.9804	.5424	.0007	.0150	-.0178	-.0178	2.0774	-.0077	.0175	-.0212
17.13	3.00	1.9904	.5408	.0048	.0153	-.0150	-.0150	2.0750	-.0070	.0008	-.0215
17.11	6.00	1.9716	.5400	-.0400	.0270	-.0375	-.0375	2.0722	-.0077	.0155	-.0436
17.11	6.00	1.9650	.5402	-.0462	.0250	-.0388	-.0388	2.0757	-.0024	.0152	-.0447
17.09	9.00	1.9821	.5407	-.0721	.0376	-.0431	-.0431	2.0775	-.0047	.0128	-.0710
17.09	9.00	1.9844	.5572	-.0721	.0352	-.0635	-.0635	2.0730	-.0024	.0144	-.0707

Table 2 (Continued)

Run No. 154

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_H$	$C_A$	$C_n$	$C_t$
19.01	.00	2.1276	.6787	-.0319	.0099	.0024	.0174	1.9330	-.0170	.0102	-.0001
19.02	.00	2.1324	.6727	-.0245	.0086	.0023	.0103	2.0259	-.0192	.0091	-.0001
21.26	.00	2.2124	.7742	-.0978	.0130	.0152	.0130	2.1437	-.0292	.0190	.0124
21.26	.00	2.2209	.7777	-.1060	.0140	.0152	.0103	2.1511	-.0270	.0190	.0124
23.28	.00	2.2492	.9041	-.1027	.0047	.0047	.0215	2.4240	-.0044	.0011	.0024
23.28	.00	2.2519	.9034	-.1516	.0057	.0007	.0021	2.4262	-.0300	.0077	.0041
25.24	.00	2.1735	1.0431	-.4103	.0110	-.0004	.0130	1.4068	.0189	.0099	-.0040
25.25	.00	2.1964	1.0528	-.4405	.0092	.0010	.0016	2.4347	.0084	.0088	-.0026
25.25	.00	2.2039	1.0540	-.4514	.0076	.0023	.0141	2.4420	.0665	.0078	-.0010
27.29	.00	2.2641	1.1635	-.4999	.0159	.0117	-.0035	2.5538	.0712	.0194	.0035
27.28	.00	2.2540	1.1739	-.5072	.0196	.0120	.0023	2.5404	.0670	.0232	.0027
-7.54	.00	.7083	.1163	.5827	-.0021	-.0014	-.0099	.6852	.2137	-.0018	-.0016
-7.54	.00	.7125	.1169	.5829	-.0017	-.0008	-.0051	.6993	.2149	-.0016	-.0009
-3.23	.00	1.2754	.1803	.5859	-.0014	-.0013	.0023	1.2607	.2689	-.0013	-.0014
-3.23	.00	1.2796	.1796	.5869	-.0025	-.0008	.0018	1.2640	.2684	-.0025	-.0009

Table 2 (Continued)

Run No. 155

$\alpha$	$\beta$	$\sigma_L$	$\sigma_D$	$C_n$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
8.72	-1.00	1.2474	1.564	1.724	0.007	0.318	2545	1.250	-.12	.0012	.0373
8.72	-1.00	1.2438	1.548	1.719	0.005	0.318	2545	1.252	-.018	.0050	.0385
8.72	-3.00	1.2090	1.574	1.847	.0017	.011	1270	1.220	-.0125	.0043	.0187
8.72	-3.00	1.2073	1.569	1.830	.0013	.0187	1227	1.217	-.0127	.0043	.0193
8.71	.00	1.1678	1.524	1.2073	.0028	-.0018	-.0083	1.1776	-.0116	.0025	-.0222
8.71	.00	1.1710	1.523	1.2073	.0030	-.0013	-.0041	1.1849	-.0121	.0028	-.0016
8.72	3.00	1.1453	1.502	1.1958	.0047	-.0218	1175	1.2050	-.0077	.0016	-.0222
8.72	3.00	1.1442	1.511	1.1824	.0031	-.0218	1360	1.2051	-.0050	.0000	-.0220
8.72	6.00	1.2112	1.530	1.877	.0056	-.0411	2692	1.2216	-.0111	-.0002	-.0414
8.72	6.00	1.2187	1.600	1.845	.0058	-.0407	2704	1.2201	-.0112	.0001	-.0411
8.71	9.00	1.2220	1.545	1.843	.0071	-.0600	4077	1.2315	-.0171	-.0013	-.0603
8.71	9.00	1.2214	1.546	1.820	.0067	-.0573	4093	1.2310	-.0168	-.0016	-.0576
8.70	12.00	1.1995	1.342	1.808	.0067	-.0782	5436	1.2064	-.0341	-.0042	-.0783
8.70	12.00	1.1868	1.348	1.834	.0077	-.0781	5427	1.2037	-.0330	.0032	-.0784
8.69	15.00	1.1618	1.051	1.720	.0089	-.0961	6321	1.1652	-.0562	-.0046	-.0964
8.69	15.00	1.1607	1.064	1.665	.0082	-.0862	6311	1.1612	-.0562	-.0047	-.0984
8.65	18.00	1.0521	1.331	1.234	.0178	-.1052	8265	1.0672	-.0156	.0030	-.1066
8.64	18.00	1.0511	1.326	1.251	.0185	-.1047	8208	1.0582	-.0150	.0037	-.1062
8.64	21.00	1.0280	0.998	1.2361	.0257	-.1211	9726	1.0318	-.0442	.0086	-.1235
8.64	21.00	1.0280	0.993	1.2365	.0226	-.1178	9689	1.0318	-.0447	.0056	-.1217
8.61	24.00	.9791	.0830	1.2163	.0293	-.1326	1.0656	.9811	-.0540	.0105	-.1353
8.62	24.00	.9876	.0817	1.2063	.0315	-.1330	1.0971	.9893	-.0565	.0127	-.1361
8.55	30.00	.8504	.0453	.0772	.0557	-.1312	1.3158	.8484	-.0735	.0369	-.1376
8.55	30.00	.8547	.0466	.0687	.0553	-.1330	1.3214	.8528	-.0728	.0369	-.1395

Table 2 (Continued)

Run No. 156

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,N}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
12.99	-6.00	1.7447	.3030	.1877	-.0030	.0399	.2542	1.7695	-.0664	.0045	.0396
12.98	-6.00	1.7361	.3003	.1839	-.0049	.0390	.2555	1.7607	-.0673	.0033	.0391
12.99	-3.00	1.7209	.2991	.1814	-.0022	.0189	.177	1.7454	-.0652	.0018	.0189
12.99	-3.00	1.7198	.2967	.1809	-.0018	.0182	.1193	1.7443	-.0654	.0020	.0181
12.99	.00	1.6945	.2886	.2012	-.0033	-.0048	-.0007	1.7174	-.0699	-.0042	-.0040
12.99	.00	1.6829	.2827	.2056	-.0034	-.0044	-.0078	1.7159	-.0697	-.0042	-.0036
13.00	3.00	1.7267	.2908	.1797	-.0032	-.0254	-.1330	1.7494	-.0745	-.0065	-.0241
13.00	3.00	1.7283	.2920	.1800	-.0038	-.0257	-.1304	1.7512	-.0738	-.0090	-.0243
13.00	6.00	1.7492	.2755	.1535	-.0003	-.0449	-.2601	1.7682	-.0942	-.0096	-.0439
13.00	6.00	1.7465	.2742	.1518	-.0001	-.0457	-.2556	1.7654	-.0946	-.0090	-.0447
12.96	9.00	1.6784	.2959	.1819	.0106	-.0594	-.3894	1.7032	-.0595	-.0020	-.0603
12.96	9.00	1.6800	.2968	.1834	.0099	-.0583	-.3841	1.7050	-.0590	-.0025	-.0591



Table 2 (Continued)

Run No. 157

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_L$
17.18	-6.00	2.1267	.4717	-.0130	.0008	.0444	.2658	2.1743	-.1328	.0130	.0424
17.19	-5.00	2.1132	.4700	-.0138	.0022	.0438	.2641	2.1666	-.1324	.0141	.0415
17.21	-3.00	2.1433	.4704	.0161	.0022	.0224	.1430	2.1956	-.1402	.0083	.0210
17.21	-3.00	2.1450	.4703	.0161	.0022	.0215	.1414	2.1715	-.1371	.0081	.0201
17.20	.00	2.1100	.4680	.0373	.0176	.0129	.0013	2.1655	-.1728	.0224	.0370
17.20	.00	2.0951	.4685	.0344	.0138	.0136	.0013	2.1513	-.0783	.0218	.0379
17.13	3.00	1.9846	.5314	-.0412	.0054	-.0150	-.1159	2.0542	-.0362	.0010	-.0150
17.14	3.00	2.0038	.5330	-.0441	.0053	-.0146	-.1212	2.0731	-.0400	.0010	-.0154
17.10	6.00	1.6402	.5261	-.1153	.0045	-.0347	-.2373	2.0101	-.0231	-.0052	-.0346
17.11	6.00	1.9536	.4993	-.1376	.0136	-.0306	-.2564	2.0155	-.0585	.0104	-.0348
17.09	9.00	1.6232	.4975	-.1485	.0168	-.0530	-.2610	1.9857	-.0518	.0015	-.0556
17.08	9.00	1.9134	.4957	-.1476	.0162	-.0528	-.3407	1.9817	-.0526	.0010	-.0552

Table 2 (Continued)

Run No. 158

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,V}$	$C_{L,B}$	$C_F$	$C_M$	$C_A$	$C_N$	$C_L$
12.98	-6.00	1.7399	.2943	.1710	-.0027	.0398	.2447	1.7630	-.0739	.0050	.0395
12.99	-6.00	1.7436	.2956	.1796	-.0027	.0393	.2453	1.7669	-.0734	.0056	.0390
12.99	-3.00	1.7315	.2936	.1901	-.0005	.0174	.1153	1.7547	-.0705	.0031	.0171
12.99	-3.00	1.7299	.2930	.1897	-.0010	.0183	.1184	1.7530	-.0731	.0028	.0180
12.99	.00	1.7003	.2951	.1944	-.0023	-.0953	-.0078	1.7224	-.0747	-.0033	-.0047
12.99	.00	1.7041	.2834	.2040	-.0017	.0060	-.0137	1.7257	-.0771	-.0029	-.0052
13.00	3.00	1.7261	.2859	.1756	-.0025	-.0267	-.1327	1.7478	-.0742	-.0079	-.0256
13.00	3.00	1.7368	.2877	.1777	-.0020	-.0258	-.1312	1.7586	-.0797	-.0073	-.0248
13.00	6.00	1.7439	.2710	.1558	.0013	-.0454	-.2592	1.7621	-.0975	.0081	-.0447
13.00	6.00	1.7471	.2712	.1536	.0010	-.0456	-.2619	1.7652	-.0980	.0085	-.0448
12.96	9.00	1.6917	.2969	.1819	.0116	-.0589	-.3883	1.7165	-.0613	-.0009	-.0600
12.96	9.00	1.6912	.2952	.1844	.0105	-.0600	-.3864	1.7156	-.0629	-.0022	-.0608
1.99	.00	3.5021	.0518	-.4544	-.0025	-.0246	-.0461	3.5021	.0518	-.0025	-.0246

Table 2 (Continued)

Run No. 199

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{N,V}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
4.42	-6.00	.6808	.0921	.1541	.0009	.0350	.2673	.6345	.0438	.0033	.0349
4.42	-6.00	.6804	.0932	.1552	.0005	.0346	.2721	.6352	.0448	.0028	.0345
4.41	-3.00	.6505	.0935	.1832	.0011	.0163	.1911	.6554	.0477	.0042	.0167
4.41	-3.00	.6521	.0938	.1833	.0031	.0167	.1252	.6570	.0481	.0043	.0155
4.41	.00	.6156	.0884	.1779	.0048	.0000	.0002	.6272	.0452	.0047	.0012
4.41	.00	.6177	.0883	.2016	.0047	.0008	.0078	.6223	.0450	.0047	.0011
4.41	3.00	.6396	.0953	.1856	.0052	.0182	.1454	.6447	.0514	.0040	.0185
4.41	3.00	.6391	.0964	.1848	.0055	.0181	.1459	.6442	.0516	.0042	.0184
4.42	6.00	.6505	.0968	.1571	.0059	.0363	.2893	.6655	.0504	.0033	.0366
4.42	6.00	.6595	.0957	.1718	.0080	.0357	.2854	.6445	.0494	.0055	.0361
4.42	9.00	.6777	.0890	.1480	.0103	.0507	.4274	.6822	.0415	.0073	.0513
4.42	9.00	.6782	.0911	.1564	.0123	.0514	.4272	.6829	.0435	.0087	.0521

Table 2 (Continued)

Run No. 160

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{n,v}$	$C_{L,s}$	$C_Y$	$C_H$	$C_A$	$C_n$	$C_L$
17.15	-6.00	2.0584	.4869	-.0386	-.0050	.0364	.2519	2.1126	-.0993	.0052	.0364
17.15	-6.00	2.0744	.4870	-.0214	-.0054	.0377	.2550	2.1262	-.1037	.0052	.0377
17.16	.00	2.0263	.5110	.0139	.0062	.0053	.0066	2.0886	-.0674	.0074	.0034
17.16	.00	2.0311	.5134	.0195	.0048	.0036	.0092	2.0939	-.0663	.0056	.0021
17.11	6.00	1.9541	.4963	-.1334	.0160	-.0306	-.2491	2.0152	-.0616	.0070	-.0338
17.11	6.00	1.9653	.4999	-.1394	.0156	-.0312	-.2537	2.0269	-.0612	.0064	-.0343
17.09	9.00	1.9306	.4937	-.1501	.0183	-.0516	-.3576	1.9919	-.0576	.0034	-.0548
17.08	9.00	1.9194	.4949	-.1566	.0174	-.0527	-.3541	1.9815	-.0533	.0022	-.0555
17.17	3.00	2.0529	.4978	-.0691	.0186	-.0072	-.1229	2.1106	-.0873	.0159	-.0121
17.15	3.00	2.0209	.4977	-.0685	.0183	-.0104	-.1237	2.0798	-.0766	.0147	-.0150
17.18	-3.00	2.0056	.4864	-.0110	-.0050	.0144	.1436	2.1390	-.1073	-.0006	.0152
17.18	-3.00	2.0890	.4850	-.0045	-.0060	.0149	.1526	2.1417	-.1095	-.0016	.0160
8.70	-6.00	1.2064	.1861	.1931	-.0104	.0354	.2586	1.2209	.0124	-.0053	.0365
8.70	-6.00	1.2080	.1885	.1950	-.0103	.0365	.2603	1.2225	.0135	-.0052	.0376
8.71	.00	1.1663	.1523	.2025	.0017	-.0006	-.0046	1.1761	-.0118	.0016	-.0008
8.71	.00	1.1640	.1505	.2037	.0031	-.0014	-.0073	1.1736	-.0130	.0028	-.0018
8.71	-3.00	1.2051	.1562	.1859	.0014	.0196	.1254	1.2154	-.0111	.0042	.0194
8.72	-3.00	1.2078	.1570	.1863	.0023	.0199	.1243	1.2170	-.0117	.0050	.0194
8.71	.00	1.1752	.1525	.2048	.0029	-.0010	-.0030	1.1850	-.0126	.0027	-.0013
8.71	.00	1.1763	.1532	.2051	.0023	-.0013	-.0062	1.1862	-.0121	.0021	-.0016
8.71	3.00	1.1624	.1560	.1950	.0059	-.0210	-.1390	1.1927	-.0095	.0030	-.0216
8.71	3.00	1.1915	.1594	.1987	.0055	-.0210	-.1370	1.2021	-.0090	.0025	-.0215
8.72	6.00	1.2171	.1618	.1863	.0063	-.0408	-.2733	1.2276	-.0092	.0005	-.0413
8.72	6.00	1.2102	.1596	.1858	.0063	-.0407	-.2735	1.2206	-.0104	.0011	-.0413
8.70	9.00	1.2049	.1520	.1949	.0074	-.0559	-.4010	1.2143	-.0171	-.0008	-.0594
8.71	9.00	1.2118	.1526	.1859	.0076	-.0590	-.4053	1.2212	-.0175	-.0007	-.0595
8.70	15.00	1.1671	.1009	.1927	.0101	-.0963	-.6894	1.1706	-.0501	-.0034	-.0967
8.69	15.00	1.1613	.1004	.1890	.0100	-.0952	-.6811	1.1746	-.0503	-.0034	-.0957
8.65	18.00	1.0580	.1337	.2553	.0197	-.1052	-.8228	1.0663	-.0148	.0049	-.1069
8.65	18.00	1.0580	.1329	.2551	.0194	-.1042	-.8231	1.0662	-.0156	.0036	-.1057
8.64	21.00	1.0264	.0999	.2369	.0228	-.1194	-.9681	1.0302	-.0439	.0060	-.1214
8.64	21.00	1.0295	.1005	.2425	.0236	-.1221	-.9694	1.0325	-.0437	.0064	-.1241
8.62	24.00	.9860	.0813	.2162	.0308	-.1324	-.10946	.9877	-.0517	.0121	-.1354
8.61	24.00	.9780	.0859	.2180	.0305	-.1307	-.10910	.9804	-.0511	.0120	-.1336
8.54	30.00	.8392	.0512	.0831	.0573	-.1270	-.1312	.8322	-.0661	.0390	-.1345
8.55	30.00	.8504	.0471	.0840	.0583	-.1289	-.1315	.8467	-.0717	.0398	-.1357

Table 2 (Continued)

Run No. 161

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{N,v}$	$C_{L,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_L$
4.42	-5.00	.7000	.0868	.1480	.0014	.0375	.2473	.7043	.0377	.0040	.0373
4.43	-6.00	.7049	.0974	.1515	.0014	.0372	.2465	.7031	.0381	.0040	.0370
4.42	-3.00	.6671	.0900	.1740	.0025	.0104	.1235	.6717	.0442	.0038	.0182
4.42	-3.00	.6428	.0906	.1771	.0022	.0170	.1192	.6775	.0441	.0034	.0177
4.42	00	.6358	.0869	.1732	.0043	.0097	.0046	.6403	.0424	.0040	.0010
4.42	00	.6337	.0856	.1723	.0051	.0011	.0042	.6382	.0414	.0050	.0014
4.42	3.00	.6540	.0902	.1755	.0053	.0270	.1493	.6507	.0443	.0037	.0235
4.42	3.00	.6546	.0903	.1772	.0058	.0276	.1338	.6572	.0444	.0043	.0202
4.43	6.00	.6717	.0851	.1480	.0072	.0358	.2055	.6849	.0074	.0044	.0211
4.43	6.00	.6803	.0856	.1471	.0071	.0377	.2051	.6847	.0380	.0043	.0324
4.44	0.00	.7102	.0736	.1234	.0089	.0554	.3070	.7136	.0239	.0043	.0557
4.43	0.00	.7065	.0728	.1177	.0098	.0552	.3007	.7048	.0233	.0060	.0557

Table 2 (Continued)

Run No. 162

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{N,V}$	$C_{L,S}$	$C_Y$	$C_M$	$C_A$	$C_N$	$C_L$
8.72	-6.00	1.2436	.1426	.1723	.0001	.0427	.2404	1.2523	-.0257	.0046	.0423
8.72	-6.00	1.2416	.1467	.1797	-.0006	.0423	.2409	1.2502	-.0255	.0052	.0420
8.72	-3.00	1.2067	.1511	.1766	.0010	.0202	.1154	1.2160	-.0163	.0031	.0205
8.71	-3.00	1.2025	.1516	.1725	.0013	.0207	.1176	1.2118	-.0172	.0042	.0204
8.71	.00	1.1726	.1493	.1697	.0029	-.0011	.0002	1.1619	-.0152	.0027	-.0015
8.71	.00	1.1699	.1476	.1633	.0018	-.0012	.0007	1.1790	-.0165	.0016	-.0014
8.72	3.00	1.1990	.1532	.1757	.0049	-.0232	.0007	1.2066	-.0152	.0016	-.0237
8.71	3.00	1.1920	.1531	.1760	.0046	-.0227	.1249	1.2017	-.0143	.0014	-.0231
8.72	6.00	1.2150	.1495	.1650	.0052	-.0441	.2457	1.2239	-.0211	-.0010	-.0443
8.72	6.00	1.2129	.1476	.1631	.0067	-.0438	.2461	1.2216	-.0225	.0005	-.0443
8.72	9.00	1.2417	.1398	.1463	.0116	-.0637	.3782	1.2491	-.0344	.0026	-.0646
8.72	9.00	1.2364	.1358	.1456	.0105	-.0640	.3787	1.2432	-.0376	.0015	-.0648
8.72	12.00	1.2277	.1107	.1175	.0132	-.0825	.5051	1.2311	-.0612	.0016	-.0835
8.72	12.00	1.2261	.1098	.1157	.0124	-.0827	.5055	1.2294	-.0620	.0007	-.0836
8.71	15.00	1.1981	.0699	.0897	.0131	-.1015	.6295	1.1961	-.0975	-.0012	-.1023
8.72	15.00	1.2002	.0712	.0916	.0137	-.1018	.6325	1.1984	-.0965	-.0005	-.1027
8.66	18.00	1.0761	.1041	.2070	.0227	-.1097	.7333	1.0601	-.0466	.0072	-.1118
8.66	18.00	1.0809	.1035	.1991	.0220	-.1133	.7386	1.0647	-.0480	.0060	-.1152
8.65	21.00	1.0568	.0699	.1982	.0244	-.1274	.8538	1.0562	-.0772	.0045	-.1292
8.65	21.00	1.0450	.0679	.2063	.0232	-.1241	.8560	1.0443	-.0782	.0037	-.1261
8.62	24.00	.9882	.0522	.1724	.0229	-.1301	.9491	.9877	-.0859	.0046	-.1320
8.61	24.00	.9732	.0497	.1729	.0234	-.1284	.9471	.9706	-.0862	.0053	-.1304
8.56	30.00	.8760	.0087	.0210	.0424	-.1244	-1.1427	.8687	-.1133	.0247	-.1390
8.55	30.00	.8611	.0113	.0284	.0434	-.1236	-1.1408	.8542	-.1086	.0258	-.1285
8.56	30.00	.8750	.0136	.0198	.0437	-.1232	-1.1337	.8683	-.1083	.0261	-.1281
1.98	.00	3.4966	.0513	-.4515	-.0026	-.0246	-.0462	3.4966	.0513	-.0026	-.0246

Table 2 (Continued)

Run No. 143

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,N}$	$C_{L,S}$	$C_Y$	$C_N$	$C_A$	$C_D$	$C_L$
12.78	-4.00	1.7308	2822	.1444	-.0052	.0422	241	1.7416	-.0038	.0034	.0424
12.79	-6.00	1.7340	2834	.1473	-.0040	.0420	272	1.7450	-.0038	.0034	.0427
12.79	-8.00	1.7382	2842	.1521	-.0032	.0418	1.00	1.7477	-.0038	.0034	.0433
12.79	-9.00	1.7406	2850	.1571	-.0020	.0417	112	1.7494	-.0038	.0034	.0435
12.79	.00	1.7455	2777	.1725	-.0008	-.0002	-.002	1.7507	-.0038	.0034	.0439
12.79	.00	1.7489	2775	.1774	-.0016	-.0005	-.007	1.7508	-.0038	.0034	.0445
12.79	3.00	1.7444	2772	.1547	-.0038	-.0271	-.144	1.7545	-.0038	.0034	.0458
12.79	3.00	1.7412	2770	.1531	-.0038	-.0271	-.112	1.7515	-.0038	.0034	.0458
12.79	6.00	1.7311	2601	.1322	-.0013	-.0422	-.232	1.7473	-.0038	.0034	.0475
12.79	6.00	1.7348	2601	.1245	-.0014	-.0482	-.237	1.7477	-.0038	.0034	.0474
12.76	9.00	1.7286	2715	.1240	-.0021	-.0641	-.402	1.7498	-.0038	.0034	.0484
12.76	9.00	1.7321	2770	.1277	-.0022	-.0685	-.406	1.7535	-.0038	.0034	.0496

Table 2 (Continued)

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
17.16	-6.00	2.1283	.4581	-.0869	-.0018	.0466	.2681	2.1721	-.1463	.0112	-.0453
17.19	-5.00	2.1352	.4584	-.0804	-.0016	.0471	.2670	2.1738	-.1479	.0114	-.0457
17.21	-3.00	2.1557	.4563	-.0601	.0014	.0220	.1546	2.1779	-.1555	.0074	-.0208
17.20	.00	2.0977	.4846	-.0187	.0173	.0103	.0204	2.1500	-.1124	.0194	-.0051
17.15	3.00	2.0150	.5175	-.1043	.0056	-.0157	-.1054	2.0796	-.0579	.0011	-.0166
17.15	3.00	2.0145	.5163	-.1097	.0050	-.0162	-.1055	2.0793	-.0570	.0004	-.0169
17.12	6.00	1.9712	.4870	-.2080	.0196	-.0343	-.2442	2.0290	-.0752	.0094	-.0383
17.12	6.00	1.9754	.4876	-.2001	.0201	-.0342	-.2426	2.0333	-.0758	.0099	-.0384
17.09	9.00	1.9312	.4756	-.2348	.0241	-.0560	-.3493	1.9874	-.0751	.0077	-.0605
17.09	9.00	1.9265	.4748	-.2359	.0235	-.0559	-.3514	1.9826	-.0745	.0071	-.0602



Table 2 (Continued)

Run No. 165

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,v}$	$C_{I,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_I$
-8.45	.00	-.9413	.1272	.1198	.0124	-.0000	-.0041	-.9726	-.0082	.0024	-.0002
-9.45	.00	-.9605	.1290	.1206	.0020	-.0011	-.0078	-.9621	-.0043	.0040	-.0006
-4.15	.00	-.4110	.0661	.1308	.0067	-.0010	-.0049	-.4117	.0312	.0067	-.0007
-4.15	.00	-.4100	.0672	.1376	.0063	-.0010	-.0025	-.4116	.0385	.0064	-.0011
.13	.00	.1155	.0587	.1405	.0053	-.0020	-.0020	.1155	.0587	.0053	-.0020
.13	.00	.1140	.0574	.1443	.0053	-.0017	-.0035	.1166	.0541	.0053	-.0017
13.24	.00	2.1829	.6730	-.1500	.0068	.0000	.0173	2.2634	-.0551	.0067	-.0013
14.25	.00	2.1868	.6105	-.1440	.0060	.0020	.0204	2.2684	-.0552	.0072	-.0002
21.23	.00	2.2649	.7067	-.2450	.0035	.0001	.0139	2.3724	-.1043	.0121	.0056
21.28	.00	2.2508	.7037	-.2440	.0036	.0110	.0263	2.3557	-.1085	.0121	.0082
23.36	.00	2.3727	.8135	-.3528	.0128	.0134	.0020	2.5254	-.1364	.0191	.0132
23.35	.00	2.3777	.8115	-.3446	.0130	.0188	.0055	2.5077	-.1355	.0130	.0122
25.39	.00	2.4123	.410	-.3700	.0150	.0207	.0061	2.6139	-.1337	.0221	.0126
25.38	.00	2.4364	.417	-.3708	.0135	.0145	.0108	2.6087	-.1307	.0203	.0123

Table 2 (Continued)

Run No. 166

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_n$	$C_A$	$C_n$	$C_l$
8.72	-6.00	1.2512	1523	.1810	.0021	.0422	.2310	1.2532	- .0233	.0970	.0415
8.73	-6.00	1.2582	1541	.1785	.0097	.0424	.2333	1.2473	- .0225	.0966	.0413
8.72	-3.00	1.2271	1553	.1785	.0025	.0204	.1114	1.2270	- .0154	.0953	.0138
8.72	-3.00	1.2304	1551	.1876	.0023	.0130	1.065	1.2172	- .0147	.0951	.0133
8.71	.00	1.1763	1572	.2007	.0336	-.0014	-.0041	1.1959	- .0150	.0934	-.0013
8.71	.00	1.1509	1501	.2022	.0336	-.0015	-.0014	1.1704	- .0142	.0934	-.0020
8.72	3.00	1.1006	1550	.1906	.0060	-.0226	-.0212	1.2004	- .0134	.0923	-.0232
8.72	3.00	1.2092	1563	.1802	.0038	-.0222	-.0208	1.2133	- .0121	.0907	-.0224
8.72	6.00	1.2182	1505	.1755	.0061	-.0446	-.0433	1.2275	- .0206	.0901	-.0447
8.72	6.00	1.2182	1524	.1750	.0061	-.0433	-.0458	1.2272	- .0206	.0900	-.0443
8.72	9.00	1.2342	1386	.1475	.0042	-.0649	-.0635	1.2415	- .0345	.0901	-.0654
8.72	9.00	1.2406	1351	.1514	.0042	-.0649	-.0635	1.2473	- .0345	.0902	-.0654
8.73	12.00	1.2448	1145	.1011	.0133	-.0855	-.0855	1.2486	- .0510	.0913	-.0865
8.73	12.00	1.2437	1144	.1151	.0137	-.0858	-.0870	1.2475	- .0518	.0916	-.0869
8.72	15.00	1.2173	.0753	.0781	.0104	-.1053	-.0933	1.2153	- .0643	.0916	-.1065
8.73	15.00	1.2305	.0747	.0721	.0161	-.1051	-.0910	1.2189	- .0658	.0913	-.1062
8.66	18.00	1.0509	.1096	.1909	.0241	-.1116	-.0740	1.0656	- .0413	.0983	-.1130
8.66	18.00	1.0825	.1055	.1465	.0224	-.1123	-.0784	1.0872	- .0422	.0966	-.1143
8.64	21.00	1.0322	.0737	.2082	.0235	-.1205	-.0531	1.0324	- .0706	.0956	-.1285
8.64	21.00	1.0312	.0753	.2073	.0213	-.1273	-.0654	1.0316	- .0659	.0940	-.1290
8.61	24.00	.9918	.0577	.1811	.0221	-.1338	-.0522	.9822	- .0735	.0932	-.1355
8.63	24.00	.9330	.0571	.1952	.0233	-.1357	-.0624	.9322	- .0904	.0946	-.1377
8.55	30.00	.8622	.0180	.0387	.0382	-.1301	-1.1489	.8563	- .1321	.0137	-.1312
8.55	30.00	.8622	.0138	.0323	.0397	-.1286	-1.1576	.8557	- .1063	.0214	-.1328

Table 2 (Continued).

Run No. 167

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_l$
12.98	-6.00	1.7351	.2903	.1646	-.0048	.0425	.2341	1.7575	-.0768	.0042	.0426
12.98	-6.00	1.7308	.2896	.1623	-.0043	.0430	.2309	1.7532	-.0764	.0047	.0430
12.99	-3.00	1.7160	.2911	.1829	-.0013	.0193	.1024	1.7390	-.0721	.0027	.0191
12.99	-3.00	1.7214	.2918	.1822	.0002	.0195	.1013	1.7444	-.0724	.0042	.0190
12.99	.00	1.7003	.2839	.1983	-.0017	-.0058	-.0121	1.7222	-.0758	-.0028	-.0023
12.99	.00	1.6998	.2833	.1935	-.0010	-.0050	-.0076	1.7215	-.0763	-.0020	-.0047
13.00	3.00	1.7272	.2842	.1731	-.0033	-.0282	-.1177	1.7485	-.083	-.0091	-.0269
13.00	3.00	1.7197	.2832	.1744	-.0037	-.0275	-.1166	1.7410	-.0806	-.0093	-.0261
13.00	6.00	1.7455	.2672	.1473	.0019	-.0494	-.2362	1.7620	-.1016	-.0084	-.0487
13.00	6.00	1.7449	.2672	.1501	.0013	-.0490	-.2314	1.7623	-.1014	-.0089	-.0482
12.97	9.00	1.6949	.2827	.1503	.0165	-.0662	-.3.39	1.7166	-.0759	.0003	-.0681
12.97	9.00	1.7024	.2833	.1490	.0163	-.0660	-.3.55	1.7241	-.0761	.0022	-.0670

Table 2 (Continued)

Run No. 163

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,y}$	$C_{L,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
-7.15	-6.00	2.0053	.4602	-.0251	-.0077	.0421	.2511	2.117	-.1777	.0051	.0423
17.16	-6.00	2.0781	.4847	-.0410	-.0071	.0416	.2547	2.1312	-.1069	.0040	.0419
17.17	-3.00	2.0810	.4845	-.0033	-.0084	.0150	.1441	2.1339	-.1079	-.0040	.0167
17.17	-3.00	2.0773	.4846	.0052	-.0060	.0155	.393	2.1303	-.1071	-.0014	.0165
17.17	.00	2.0517	.5146	.0223	.0077	.0011	.0246	2.1109	-.0722	.0067	-.0008
17.16	.00	2.0537	.5159	.0247	.0074	.0015	.0141	2.0971	-.0740	.0074	.0020
17.16	.00	2.0315	.5144	.0130	.0070	.0030	.0144	2.1019	-.0755	.0075	.0010
17.14	2.00	2.0012	.5230	-.0516	.0073	-.0074	-.1751	2.0677	-.0769	.0013	-.0185
-7.15	3.00	2.0204	.5204	-.0413	.0034	-.0150	-.1021	2.0872	-.0500	.0007	-.0208
17.11	0.00	1.9499	.5215	-.1205	.0077	-.0432	-.0231	2.0189	-.0335	-.0047	-.0437
17.11	6.00	1.9584	.5222	-.127	.0086	-.0423	-.0055	2.0204	-.0379	-.0034	-.0430
17.10	5.00	1.9450	.4875	-.1774	.0034	-.0000	-.3510	2.0045	-.0877	.0088	-.0650
17.10	5.00	1.9416	.4874	-.1825	.0253	-.0601	-.3512	2.0012	-.0657	.0075	-.0647

Table 2 (Continued)

Run No. 169	$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
8.72	-6.00	1.2384	1486	1983	.0058	.0408	.2332	1.8470	-.0871	.0114	.0396	
8.72	-6.00	1.2464	1535	1932	.0017	.0423	.2307	1.2556	-.0214	.0075	.0417	
8.71	-3.00	1.2014	1564	1987	.0038	.0187	.1072	1.2115	-.0184	.0063	.0180	
8.71	-3.00	1.1977	1543	1997	.0031	.0198	.1108	1.2075	-.0139	.0058	.0192	
8.70	.00	1.1555	1494	2150	.0080	.0083	-.0085	1.1650	-.0128	.0017	-.0026	
8.71	.00	1.1630	1500	2122	.0031	-.0089	-.0067	1.1785	-.0133	.0086	-.0033	
8.71	3.00	1.1878	1546	2089	.0044	.0290	-.1218	1.1977	-.0122	.0011	-.0234	
8.71	3.00	1.1878	1530	2083	.0043	.0282	-.1223	1.1978	-.0118	.0011	-.0236	
8.71	6.00	1.2054	1527	1902	.0060	.0492	-.2423	1.2149	-.0166	-.0004	-.0456	
8.71	6.00	1.2091	1516	1877	.0059	.0450	-.2411	1.2184	-.0182	-.0005	-.0454	
8.71	9.00	1.2232	1371	1619	.0091	.0662	-.3704	1.2343	-.0347	-.0002	-.0668	
8.71	9.00	1.2220	1398	1660	.0084	.0655	-.3643	1.2235	-.0317	-.0008	-.0660	
8.72	12.00	1.2245	1137	1255	.0105	.0865	-.5009	1.2284	-.0578	-.0016	-.0871	
8.72	12.00	1.2272	1145	1260	.0110	.0863	-.4994	1.2312	-.0574	-.0011	-.0869	
8.72	15.00	1.2002	0745	0941	.0138	.1058	-.6239	1.1989	-.0932	-.0010	-.1067	
8.72	15.00	1.0697	0745	0900	.0138	.1055	-.7391	1.2056	-.0939	-.0011	-.1064	
8.65	18.00	1.0639	1079	2053	.0214	.1111	-.7381	1.0743	-.0421	.0057	-.1130	
8.65	18.00	1.0832	1080	2125	.0225	.1131	-.8577	1.0833	-.0411	.0066	-.1151	
8.64	21.00	1.0832	0788	2207	.0214	.1270	-.8575	1.0830	-.0703	.0035	-.1287	
8.63	21.00	1.0805	0751	2287	.0208	.1274	-.9575	1.0810	-.0676	.0029	-.1290	
8.62	24.00	.9894	0571	1975	.0233	.1323	-.9555	.9817	-.0803	.0009	-.1343	
8.61	24.00	.9668	0549	1975	.0233	.1323	-.9555	.9522	-.0802	.0047	-.1342	
8.55	30.00	.8648	0801	0447	.0355	.1294	-.1.1433	.9522	-.1005	.0171	-.1431	
8.55	30.00	.8984	0168	0386	.0357	.1292	-.1.1557	.9524	-.1088	.0174	-.1389	
8.55	30.00	1.2395	1584	1900	.0003	.0369	.2332	1.2426	-.0213	.0063	.0386	
8.72	-6.00	1.2390	1527	1950	.0009	.0391	.2322	1.2481	-.0154	-.0084	.0365	
8.72	-6.00	1.1979	1839	1991	-.0075	.0358	.2303	1.2118	-.0141	-.0031	.0363	
8.69	-6.00	1.2000	1889	1977	-.0081	.0355	.2302	1.2138	-.0153	-.0005	.0167	
8.70	-3.00	1.1710	1801	2049	-.0088	.0185	.1096	1.1846	-.0135	-.0084	.0177	
8.70	-3.00	1.1725	1783	2071	-.0049	.0172	.1057	1.1849				

Table 2 (Continued)

Run No. 170

$\alpha$	$\rho$	$C_L$	$C_{D^*}$	$C_M$	$C_{n,v}$	$C_{L,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_L$
.11	.00	.0713	.0774	.1596	.0062	-.0027	-.0121	.0777	.0334	.0062	-.0027
.11	.00	.0723	.0730	.1633	.0061	-.0027	-.0121	.0723	.0630	.0061	-.0027
8.72	-1.00	1.2443	.1555	.1632	.0063	.0406	.0395	1.1536	-.0192	.0065	.0401
8.72	-4.00	1.2438	.1550	.1787	.0068	.0406	.0395	1.1536	-.0192	.0064	.0403
8.72	-3.00	1.2027	.1579	.1598	.0011	.0191	.1076	1.2159	-.0116	.0037	.0188
8.72	-3.00	1.2069	.1567	.1974	.0015	.0202	.1141	1.2159	-.0130	.0043	.0199
8.71	.00	1.1046	.1511	.2074	.0024	-.0027	-.0062	1.1743	-.0124	.0022	-.0030
8.71	.00	1.1710	.1519	.2101	.0027	-.0016	-.0020	1.1807	-.0125	.0034	-.0021
8.72	3.00	1.1974	.1583	.1929	.0030	-.0231	-.1325	1.2077	-.0099	.0006	-.0233
8.72	3.00	1.1958	.1584	.1923	.0050	-.0228	-.1188	1.2062	-.0096	.0017	-.0232
8.72	6.00	1.2177	.1576	.1809	.0084	-.0450	-.2498	1.2277	-.0134	.0020	-.0457
8.72	6.00	1.2209	.1559	.1782	.0053	-.0452	-.2431	1.2307	-.0155	-.0011	-.0454
8.72	9.00	1.2374	.1435	.1566	.0085	-.0648	-.3715	1.2453	-.0301	-.0006	-.0653
8.72	9.00	1.2365	.1428	.1572	.0081	-.0661	-.3756	1.2463	-.0309	-.0005	-.0667
8.72	12.00	1.2373	.1185	.1288	.0151	-.0855	-.5094	1.2418	-.0549	.0031	-.0867
8.72	12.00	1.2272	.1139	.1206	.0116	-.0851	-.5043	1.2311	-.0580	-.0003	-.0852
8.72	15.00	1.2093	.0801	.1090	.0168	-.1075	-.6463	1.2086	-.0890	.0016	-.1088
8.71	15.00	1.1991	.0781	.1095	.0168	-.1072	-.6443	1.1983	-.0895	.0017	-.1084
8.65	18.00	1.0623	.1111	.2319	.0240	-.1131	-.7520	1.1853	-.0376	.0086	-.1154
8.65	18.00	1.0654	.1147	.2331	.0236	-.1107	-.7447	1.1870	-.0347	.0061	-.1129
8.64	21.00	1.0224	.0811	.2346	.0216	-.1254	-.8701	1.0239	-.0620	.0040	-.1272
8.63	21.00	1.0168	.0802	.2305	.0210	-.1259	-.8692	1.0180	-.0621	.0033	-.1275
8.62	24.00	.9850	.0579	.1954	.0234	-.1345	-.9696	.9834	-.0797	.0044	-.1364
8.61	24.00	.9791	.0551	.1972	.0229	-.1340	-.9667	.9772	-.0817	.0040	-.1359
8.54	30.00	.8355	.0237	-.0010	.0466	-.1218	-.11546	.8307	-.0928	.0312	-.1274
8.54	30.00	.8478	.0186	.0067	.0432	-.1243	-.11501	.8421	-.0996	.0255	-.1290

Table 2 (Continued)

Run No.	$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,v}$	$C_{L,s}$	$C_y$	$C_M$	$C_A$	$C_n$	$C_L$
-8.11	-8.11	.00	-.3451	.0594	-.4751	.0042	-.0331	-.0099	-.3499	.0108	.0046	-.0025
-8.11	-8.11	.00	-.3440	.0571	-.4688	.0055	-.0025	-.0083	-.3486	.0087	.0058	-.0017
-3.98	-3.98	.00	-.0985	.0385	-.0871	.0065	-.0015	-.0020	-.1009	.0315	.0066	-.0010
-3.98	-3.98	.00	-.1006	.0385	-.0898	.0074	-.0017	-.0046	-.1030	.0314	.0074	-.0012
.12	.12	.00	.0947	.0369	.2241	.0049	-.0019	-.0078	.0947	.0369	.0049	-.0013
.12	.12	.00	.0942	.0381	.2255	.0045	-.0016	-.0057	.0942	.0381	.0045	-.0016
4.25	4.25	.00	.3191	.0547	.5860	.0051	-.0009	-.0051	.3221	.0323	.0050	-.0012
4.24	4.24	.00	.3169	.0536	.5848	.0050	-.0007	-.0067	.3199	.0314	.0049	-.0010
8.37	8.37	.00	.5454	.0876	.9356	.0022	-.0010	-.0089	.5522	.0109	.0020	-.0013
8.37	8.37	.00	.5438	.0891	.9364	.0036	-.0010	-.0094	.5509	.0125	.0034	-.0014
12.48	12.48	.00	.7595	.1394	1.2492	.0034	-.0007	-.0115	.7719	-.0216	.0032	-.0014
12.48	12.48	.00	.7643	.1405	1.2577	.0038	-.0008	-.0110	.7768	-.0215	.0036	-.0015
16.56	16.56	.00	.9351	.2144	1.4675	.0062	.0033	.0034	.9579	-.0517	.0069	.0015
16.56	16.56	.00	.9324	.2131	1.4581	.0064	.0034	.0002	.9550	-.0522	.0071	.0014
18.53	18.53	.00	.8828	.3034	1.4627	.0089	.0069	-.0004	.9333	.0157	.0105	.0038
18.53	18.53	.00	.8839	.3025	1.4529	.0085	.0070	-.0057	.9346	.0145	.0102	.0046
20.51	20.51	.00	.8487	.3406	1.4429	.0061	.0026	.0141	.9139	.0293	.0066	.0003
20.51	20.51	.00	.8540	.3446	1.4413	.0072	.0036	.0103	.9201	.0312	.0081	.0011
22.53	22.53	.00	.8817	.3800	1.4933	.0062	.0025	.0039	.9596	.0220	.0067	-.0001
22.53	22.53	.00	.8769	.3807	1.4956	.0061	.0023	.0055	.9557	.0245	.0065	-.0002
24.55	24.55	.00	.9068	.4285	1.5350	.0076	.0044	.0034	1.0027	.0226	.0087	.0009
24.55	24.55	.00	.9079	.4298	1.5438	.0080	.0033	.0039	1.0042	.0234	.0086	-.0003
26.55	26.55	.00	.9153	.4659	1.5745	.0078	.0045	.0045	1.0269	.0175	.0094	.0015
26.55	26.55	.00	.9105	.4643	1.5756	.0085	.0040	.0002	1.0219	.0182	.0093	-.0001
30.49	30.49	.00	.8071	.5392	1.5055	.0093	-.0062	-.0238	.9685	.0034	.0049	-.0100
30.49	30.49	.00	.8119	.5362	1.5080	.0093	-.0055	-.0179	.9712	.0585	.0053	-.0094

Table 2 (Continued)

Run No. 172

$\alpha$	$\beta$	$C_L$	$C_D$	$C_m$	$C_{n,w}$	$C_{L,s}$	$C_Y$	$C_M$	$C_A$	$C_n$	$C_L$
-8.1	3.00	-.3337	.0631	-.4844	-.0005	-.0044	-.0953	-.3392	.0161	.0001	-.0044
-8.11	3.00	-.3311	.0640	-.4823	-.0011	-.0053	-.0953	-.3367	.0173	-.0003	-.0053
-3.99	3.00	-.0972	.0440	-.1254	.0012	-.0064	-.1029	-.1000	.0371	.0016	-.0063
-3.998	3.00	-.0988	.0435	-.1246	.0008	-.0058	-.1002	-.1015	.0365	.0012	-.0058
.12	3.00	.1117	.0445	.2214	-.0001	-.0058	-.0992	.1117	.0437	-.0004	-.0058
.13	3.00	.1139	.0437	.2208	-.0004	-.0056	-.0970	.1139	.0437	-.0004	-.0056
4.24	3.00	.3330	.0602	.5697	-.0018	-.0062	-.0995	.3363	.0368	-.0022	-.0050
4.25	3.00	.3335	.0582	.5728	-.0010	-.0055	-.0967	.3367	.0348	-.0013	-.0054
8.37	3.00	.5590	.0936	.9214	-.0005	-.0069	-.0984	.5665	.0148	-.0014	-.0067
8.37	3.00	.5574	.0927	.9219	-.0008	-.0061	-.0941	.5648	.0142	-.0016	-.0060
12.48	3.00	.7794	.1467	1.2443	-.0047	-.0073	-.0906	.7929	-.0186	-.0061	-.0061
12.48	3.00	.7784	.1454	1.2453	-.0045	-.0075	-.0916	.7916	-.0196	-.0060	-.0064
16.52	3.00	.8673	.2437	1.3878	-.0054	-.0088	-.0647	.9008	-.0048	-.0054	-.0007
16.53	3.00	.8849	.2441	1.3793	-.0054	-.0088	-.0657	.9178	-.0092	-.0054	-.0008
18.49	3.00	.8188	.3100	1.3443	-.0057	-.0063	-.0635	.8744	.0418	-.0074	-.0042
18.50	3.00	.8241	.3088	1.3450	-.0056	-.0069	-.0591	.8792	.0390	-.0074	-.0048
20.50	3.00	.8369	.3449	1.3976	-.0054	-.0080	-.0615	.9044	.0379	-.0078	-.0056
20.50	3.00	.8342	.3443	1.3988	-.0040	-.0077	-.0551	.9016	.0382	-.0063	-.0059
22.52	3.00	.8678	.3835	1.4635	-.0034	-.0078	-.0567	.9483	.0305	-.0061	-.0060
22.52	3.00	.8716	.3842	1.4565	-.0036	-.0079	-.0562	.9520	.0297	-.0063	-.0059
24.52	3.00	.8726	.4291	1.5021	-.0007	-.0058	-.0503	.9371	.0371	-.0030	-.0050
24.53	3.00	.8854	.4316	1.5055	.0019	-.0053	-.0526	.9844	.0342	-.0005	-.0056
26.54	3.00	.8993	.4714	1.5395	.0031	-.0039	-.0452	1.0149	.0294	.0011	-.0049
26.54	3.00	.8998	.4754	1.5491	.0016	-.0041	-.0374	1.0171	.0328	-.0003	-.0044
30.49	3.00	.8054	.5461	1.4861	.0031	-.0133	-.0791	.9706	.0702	-.0040	-.0130
30.49	3.00	.8054	.5492	1.4932	.0001	-.0135	-.0729	.9721	.0729	-.0067	-.0117



Table 2 (Continued)

Run No. 173

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_W$	$C_A$	$C_n$	$C_l$
-8.11	6.00	-.3151	.0531	-.4945	-.0055	-.0095	-.1957	-.3208	.0186	-.0041	-.0101
-8.11	6.00	-.3172	.0627	-.4924	-.0053	-.0094	-.1972	-.3228	.0179	-.0040	-.0100
-3.99	6.00	-.0846	.0440	-.1476	-.0033	-.0112	-.2093	-.0875	.0380	-.0026	-.0114
-3.99	6.00	-.0862	.0435	-.1425	-.0040	-.0109	-.2038	-.0891	.0374	-.0032	-.0111
.14	6.00	.1476	.0420	.2092	-.0013	-.0109	-.1993	.1475	.0420	-.0013	-.0109
.14	6.00	.1476	.0422	.2063	-.0012	-.0107	-.2009	.1476	.0422	-.0012	-.0107
4.25	6.00	.3501	.0582	.5549	-.0060	-.0117	-.1889	.3533	.0336	-.0068	-.0113
4.25	6.00	.3485	.0567	.5482	-.0065	-.0120	-.1888	.3516	.0323	-.0073	-.0115
8.37	6.00	.5766	.0915	.9070	-.0039	-.0126	-.1853	.5837	.0104	-.0056	-.0119
8.37	6.00	.5771	.0921	.9051	-.0054	-.0121	-.1832	.5843	.0109	-.0070	-.0112
12.48	6.00	.7871	.1430	1.2177	-.0122	-.0148	-.1780	.7936	-.0237	-.0150	-.0120
12.48	6.00	.7849	.1440	1.2193	-.0125	-.0147	-.1722	.7977	-.0223	-.0153	-.0118
16.49	6.00	.8213	.2454	1.2845	-.0232	-.0225	-.1494	.8571	.0095	-.0284	-.0152
16.50	6.00	.8341	.2472	1.3018	-.0230	-.0210	-.1442	.8699	.0078	-.0279	-.0138
18.47	6.00	.7861	.3085	1.2930	-.0153	-.0185	-.1322	.8429	.0504	-.0202	-.0128
18.47	6.00	.7845	.3103	1.2966	-.0154	-.0191	-.1324	.8420	.0527	-.0206	-.0134
20.48	6.00	.8128	.3434	1.3548	-.0168	-.0191	-.1266	.8812	.0447	-.0223	-.0121
20.49	6.00	.8170	.3445	1.3560	-.0173	-.0195	-.1284	.8856	.0443	-.0229	-.0124
22.50	6.00	.8475	.3833	1.4208	-.0149	-.0203	-.1251	.9293	.0379	-.0214	-.0132
22.50	6.00	.8506	.3805	1.4161	-.0163	-.0201	-.1237	.9312	.0341	-.0226	-.0125
24.51	6.00	.8645	.4315	1.4562	-.0089	-.0166	-.1078	.9653	.0426	-.0149	-.0115
24.51	6.00	.8645	.4324	1.4711	-.0078	-.0173	-.1084	.9656	.0434	-.0141	-.0127
26.52	6.00	.8795	.4697	1.5042	-.0061	-.0143	-.0966	.9963	.0366	-.0117	-.0110
26.52	6.00	.8757	.4712	1.5017	-.0047	-.0153	-.0931	.9936	.0396	-.0143	-.0189
30.47	6.00	.7915	.5464	1.4604	-.0030	-.0236	-.1181	.9586	.0775	-.0143	-.0189
30.48	6.00	.7973	.5489	1.4708	-.0074	-.0231	-.1146	.9649	.0767	-.0179	-.0163

Table 2 (Continued)

Run No. 174

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,w}$	$C_{l,s}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_l$
8.37	-6.00	.5984	.1032	.9185	.0078	.0112	.1630	.6069	.0189	.0093	.0100
8.37	-6.00	.6054	.1042	.8980	.0080	.0107	.1658	.6140	.0190	.0093	.0095
8.38	-6.00	.6144	.0932	.9068	.0111	.0124	.1716	.6214	.0067	.0127	.0107
8.37	-3.00	.5790	.0921	.9290	.0050	.0054	.0784	.5861	.0106	.0057	.0047
8.37	-3.00	.5753	.0926	.9290	.0065	.0057	.0795	.5825	.0117	.0072	.0047
8.37	.00	.5411	.0885	.9377	.0023	.0003	.0035	.5481	.0124	.0022	.0006
8.37	.00	.5433	.0881	.9357	.0027	.0000	.0073	.5502	.0117	.0027	.0004
8.37	3.00	.5585	.0932	.9288	.0009	.0074	.1016	.5660	.0146	.0019	.0072
8.37	3.00	.5595	.0954	.9317	.0007	.0061	.1012	.5674	.0166	.0015	.0060
8.37	6.00	.5761	.0882	.9092	.0029	.0131	.1850	.5827	.0071	.0046	.0125
8.37	6.00	.5814	.0899	.9106	.0068	.0131	.1894	.5882	.0081	.0085	.0120
8.37	9.00	.5996	.0799	.8797	.0080	.0195	.2884	.6048	.0043	.0106	.0182
8.37	9.00	.5985	.0818	.8789	.0077	.0190	.2827	.6040	.0023	.0103	.0177
8.37	12.00	.5963	.0597	.8310	.0125	.0274	.3701	.5988	.0239	.0162	.0254
8.38	12.00	.6005	.0600	.8364	.0130	.0252	.3707	.6030	.0241	.0163	.0231
8.37	15.00	.5725	.0347	.8247	.0128	.0329	.4726	.5717	.0453	.0172	.0308
8.37	15.00	.5773	.0359	.8244	.0125	.0327	.4702	.5766	.0447	.0169	.0306
8.36	18.00	.5247	.0592	.8339	.0221	.0360	.5378	.5272	.0184	.0262	.0327
8.36	18.00	.5337	.0568	.8324	.0221	.0354	.5371	.5364	.0180	.0268	.0320
8.35	21.00	.5021	.0326	.8127	.0304	.0421	.6077	.5017	.0376	.0359	.0374
8.36	21.00	.5128	.0308	.8197	.0283	.0395	.6132	.5120	.0408	.0335	.0352
8.34	24.00	.4772	.0239	.7654	.0290	.0399	.6802	.4799	.0428	.0343	.0355
8.34	24.00	.4746	.0218	.7638	.0302	.0414	.6792	.4730	.0445	.0356	.0368
8.32	27.00	.5936	.1109	.5999	.0160	.0516	.6412	.6032	.0272	.0230	.0489
8.33	27.00	.5957	.1031	.5812	.0147	.0480	.8409	.6042	.0192	.0212	.0455
8.29	30.00	.3726	.0177	.5732	.0195	.0395	.8036	.3714	.0343	.0247	.0364
8.28	30.00	.3688	.0140	.5777	.0152	.0377	.8065	.3672	.0374	.0203	.0352

Table 2 (Continued)

Run No. 175

$\alpha$	$\beta$	$C_L$	$C_{D'}$	$C_M$	$C_{n,v}$	$C_{L,n}$	$C_Y$	$C_N$	$C_A$	$C_h$	$C_L$
-8.02	.00	-.1653	.0502	-.2887	.0055	-.0020	.0029	-.1707	.0267	.0056	-.0012
-8.02	.00	-.1659	.0510	-.2854	.0057	-.0016	.0055	-.1713	.0274	.0059	-.0008
-3.90	.00	.0562	.0430	.1378	.0052	-.0016	-.0030	.0530	.0468	.0053	-.0013
-3.90	.00	.0567	.0438	.1333	.0052	-.0017	-.0051	.0535	.0476	.0052	-.0013
.23	.00	.2872	.0542	.4862	.0048	-.0013	-.0051	.2872	.0542	.0048	-.0013
.23	.00	.2862	.0536	.4977	.0047	-.0007	.0018	.2862	.0536	.0047	-.0007
4.35	.00	.5116	.0786	.8650	.0046	-.0006	-.0030	.5158	.0427	.0045	-.0009
4.35	.00	.5089	.0803	.8762	.0042	-.0002	.0002	.5132	.0446	.0042	-.0004
8.46	.00	.7214	.1313	1.1804	.0034	-.0003	-.0051	.7386	.0296	.0033	-.0007
8.47	.00	.7262	.1301	1.1799	.0033	-.0000	-.0089	.7372	.0278	.0032	-.0004
12.52	.00	.8331	.2258	1.3244	.0220	.0059	.0002	.8618	.0477	.0235	.0041
12.52	.00	.8358	.2245	1.3474	.0204	.0053	.0023	.8642	.0459	.0216	.0038
16.52	.00	.8551	.3250	1.3903	.0078	.0051	.0108	.9126	.0806	.0089	.0027
16.51	.00	.8412	.3302	1.3769	.0075	.0027	.0103	.8996	.0856	.0079	.0005
18.52	.00	.8657	.3669	1.4341	.0063	.0031	.0066	.9367	.0814	.0069	.0010
18.52	.00	.8599	.3659	1.4384	.0070	.0027	.0082	.9308	.0823	.0074	.0004
20.53	.00	.8801	.4147	1.4755	.0074	.0045	.0130	.9688	.0887	.0104	.0010
20.53	.00	.8780	.4157	1.4768	.0084	.0049	.0135	.9672	.0903	.0095	.0017
22.53	.00	.8812	.4525	1.5101	.0100	.0062	.0178	.9855	.0895	.0116	.0020
22.53	.00	.8812	.4499	1.5058	.0087	.0065	.0162	.9855	.0870	.0105	.0027
24.53	.00	.8785	.4980	1.5430	.0083	.0070	.0055	1.0051	.0976	.0103	.0030
24.53	.00	.8871	.4909	1.5407	.0085	.0065	.0052	1.0100	.0877	.0104	.0025
26.43	.00	.7879	.5262	1.4525	.0074	-.0050	-.0163	.9388	.1276	.0045	-.0777
26.46	.00	.7847	.5251	1.4487	.0078	-.0048	-.0185	.9354	.1280	.0049	-.0777
30.43	.00	.7041	.5645	1.3887	.0055	.0025	.0023	.8920	.1368	.0060	-.0006
30.44	.00	.7289	.5658	1.3970	.0054	.0020	.0013	.8968	.1355	.0056	-.0010

Table 2 (Continued)

Run No. 176

$\alpha$	$\beta$	$C_L$	$C_{D''}$	$C_M$	$C_{n,v}$	$C_{l,n}$	$C_Y$	$C_N$	$C_A$	$C_n$	$C_L$
-8.02	3.00	-.535	.0570	-.2349	-.0003	-.0052	-.0486	-.1599	.0354	.0004	-.0051
-6.01	3.00	-.1513	.0571	-.2324	-.0002	-.0049	-.0270	-.1576	.0355	.0005	-.0049
-3.90	3.00	.0687	.0506	.1244	-.0001	-.0054	-.0995	.0650	.7552	.0003	-.0054
-3.90	3.00	.0703	.0492	.1237	.0004	-.0059	-.1037	.0667	.7540	.0007	-.0059
.23	3.00	.3005	.0576	.4942	.0010	-.0057	-.1608	.3005	.0576	.0010	-.0057
.23	3.00	.3021	.0593	.4915	.0017	-.0098	-.1609	.3021	.0593	.0016	-.0098
4.35	3.00	.5239	.0667	.8361	-.0004	-.0063	-.1623	.5287	.7500	-.0010	-.0063
4.35	3.00	.5260	.0659	1.2953	-.0005	-.0102	-.0964	.5307	.0490	-.0012	-.0101
6.47	3.00	.7430	.1331	1.1751	.0026	-.0067	-.0928	.7543	.0284	.0015	-.0070
6.47	3.00	.7473	.1332	1.1772	.0019	-.0063	-.0944	.7565	.0280	.0016	-.0065
12.46	3.00	.7853	.2493	1.2650	.0014	-.0024	-.0685	.8200	.0205	.0008	-.0026
12.49	3.00	.7960	.2510	1.2786	-.0005	-.0045	-.0916	.8300	.0600	-.0013	-.0043
16.49	3.00	.8092	.3343	1.3172	-.0044	-.0078	-.0399	.8699	.0983	-.0064	-.0063
16.48	3.00	.8017	.3312	1.3165	-.0055	-.0074	-.0382	.8619	.0974	-.0073	-.0056
18.50	3.00	.8305	.3665	1.3813	-.0036	-.0068	-.0484	.9037	.0936	-.0057	-.0053
18.50	3.00	.8353	.3709	1.3844	-.0024	-.0071	-.0701	.9090	.0946	-.0045	-.0060
20.52	3.00	.8652	.4134	1.4410	-.0002	-.0040	-.0389	.9543	.0926	-.0015	-.0037
20.52	3.00	.8673	.4210	1.4444	.0002	-.0047	-.0414	.9590	.0900	-.0015	-.0045
22.52	3.00	.8732	.4540	1.4712	.0024	-.0042	-.0385	.9796	.0739	.0007	-.0048
22.53	3.00	.8822	.4577	1.4850	.0021	-.0036	-.0360	.9804	.0936	.0006	-.0041
24.53	3.00	.8817	.4953	1.5114	.0033	-.0032	-.0394	1.0009	.0936	.0017	-.0042
24.52	3.00	.8769	.4946	1.5059	.0040	-.0024	-.0350	1.0022	.0951	.0027	-.0038
26.47	3.00	.7804	.5295	1.4287	.0039	-.0154	-.0725	.9335	.1339	-.0032	-.0156
26.47	3.00	.7734	.5293	1.4270	.0060	-.0152	-.0714	.9372	.1367	-.0013	-.0163
30.43	3.00	.7046	.5740	1.3770	.0026	-.0063	-.0493	.8572	.1447	-.0007	-.0068
30.43	3.00	.7052	.5740	1.3747	.0040	-.0064	-.0467	.8576	.1445	.0002	-.0075

Table 2 (Continued)

Run No. 177

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{n,v}$	$C_{l,s}$	$C_Y$	$C_W$	$C_A$	$C_n$	$C_i$
-8.02	6.00	-1.423	.0576	-2515	-.0039	-.0103	-.1936	-1489	.0372	-.0024	-.0107
-8.02	6.00	-1.418	.0578	-2545	-.0041	-.0103	-.1963	-1484	.0375	-.0026	-.0107
-3.89	6.00	.0930	.0486	1074	-.0021	-.0109	-.2070	.0893	.0549	-.0013	-.0110
-3.89	6.00	.0908	.0481	1041	-.0022	-.0116	-.2080	.0872	.0543	-.0014	-.0117
.23	6.00	.3161	.0593	1432	-.0035	-.0117	-.1998	.3161	.0593	-.0035	-.0117
.23	6.00	.3156	.0598	9168	-.0036	-.0804	-.2086	.3156	.0598	-.0036	-.0804
4.35	6.00	.5437	.0656	.8174	-.0034	-.0123	-.1941	.5463	.0475	-.0042	-.0121
4.35	6.00	.5416	.0651	.8109	-.0033	-.0120	-.1931	.5462	.0471	-.0041	-.0117
8.47	6.00	.7643	.1380	1.1608	-.0044	-.0123	-.1885	.7752	.0644	-.0041	-.0119
8.47	6.00	.7638	.1385	1.1569	-.0048	-.0127	-.1815	.7748	.0649	-.0045	-.0121
12.48	6.00	.7919	.2513	1.2180	-.0011	-.0110	-.1637	.8880	.0812	-.0034	-.0106
12.48	6.00	.7929	.2521	1.2149	-.0029	-.0113	-.1637	.8880	.0818	-.0052	-.0104
16.48	6.00	.8032	.3321	1.2835	-.0112	-.0161	-.1280	.8636	.0978	-.0151	-.0123
16.48	6.00	.8043	.3338	1.2855	-.0110	-.0154	-.1207	.8651	.0982	-.0148	-.0118
18.49	6.00	.8186	.3657	1.3415	-.0110	-.0156	-.1156	.8916	.0948	-.0152	-.0114
18.49	6.00	.8200	.3683	1.3387	-.0110	-.0159	-.1174	.8975	.0977	-.0154	-.0117
20.50	6.00	.8384	.4153	1.3971	-.0041	-.0145	-.1073	.9258	.1035	-.0088	-.0122
20.50	6.00	.8389	.4183	1.3950	-.0058	-.0147	-.1060	.9314	.1062	-.0105	-.0118
22.51	6.00	.8581	.4596	1.4502	-.0037	-.0147	-.1080	.9678	.1047	-.0099	-.0123
22.51	6.00	.8571	.4559	1.4484	-.0083	-.0145	-.1000	.9654	.1017	-.0080	-.0124
24.46	6.00	.7685	.4881	1.3674	-.0093	-.0235	-.1099	.9990	.1297	-.0180	-.0177
24.46	6.00	.7722	.4880	1.3706	-.0007	-.0250	-.1157	.9939	.1317	-.0108	-.0226
24.46	6.00	.7765	.4909	1.3752	-.0005	-.0249	-.1143	.9990	.1326	-.0105	-.0225
24.46	6.00	.7691	.4901	1.3731	-.0006	-.0247	-.1138	.9919	.1350	-.0095	-.0228
26.46	6.00	.7728	.5240	1.4124	-.0012	-.0242	-.1151	.9842	.1322	-.0117	-.0212
26.46	6.00	.5287	.5287	1.4054	-.0016	-.0237	-.1204	.9863	.1364	-.0118	-.0206
30.43	6.00	.7066	.5790	1.3658	-.0039	-.0120	-.0896	.9014	.1481	-.0094	-.0084
30.42	6.00	.6981	.5758	1.3597	-.0043	-.0114	-.0915	.8925	.1496	-.0095	-.0077

Table 2 (Concluded)

Run No. 178

$\alpha$	$\beta$	$C_L$	$C_D$	$C_M$	$C_{M,y}$	$C_{L,y}$	$C_Y$	$C_H$	$C_A$	$C_N$	$C_{\alpha}$	$C_L$
8.44	-6.00	.7328	.1760	1.0894	.0106	.0150	.1730	.7502	.0723	.0126	.0134	
8.44	-6.00	.7392	.1776	1.0895	.0092	.0146	.1720	.7567	.0730	.0112	.0132	
8.44	-3.00	.6974	.1698	1.1262	.0056	.0069	.0871	.7142	.0710	.0065	.0061	
8.44	-3.00	.7036	.1691	1.1222	.0046	.0071	.0860	.7173	.0699	.0055	.0064	
8.43	.00	.6659	.1653	1.1359	.0035	.0002	-.0062	.6824	.0710	.0035	-.0002	
8.43	.00	.6643	.1648	1.1364	.0035	.0004	-.0059	.6808	.0707	.0034	-.0006	
8.44	3.00	.6827	.1719	1.1209	.0009	-.0082	-.1013	.7000	.0752	-.0002	-.0082	
8.43	3.00	.6817	.1727	1.1225	.0013	.0074	-.0955	.6990	.0762	.0002	-.0074	
8.43	6.00	.6950	.1736	1.0793	-.0053	-.0140	-.1855	.7123	.0752	-.0071	-.0131	
8.43	6.00	.6939	.1731	1.0850	-.0043	-.0137	-.1812	.7112	.0748	-.0062	-.0129	
8.44	9.00	.7185	.1696	1.0479	-.0067	-.0208	-.2734	.7351	.0680	-.0095	-.0197	
8.43	9.00	.7110	.1699	1.0500	-.0073	-.0208	-.2729	.7277	.0693	-.0101	-.0196	
8.43	12.00	.7061	.1497	.9865	-.0071	.0277	.3705	.7201	.0499	-.0109	-.0265	
8.44	12.00	.7131	.1512	.9920	-.0076	-.0282	.3675	.7271	.0505	-.0114	-.0269	
8.43	15.00	.6770	.1326	.9858	-.0036	.0329	.1495	.6888	.0370	.0082	-.0321	
8.43	15.00	.6797	.1344	.9884	-.0031	.0339	.4522	.6917	.0385	.0078	-.0331	
8.41	18.00	.6153	.1326	.9527	-.0068	-.0390	.5185	.6277	.0457	-.0121	-.0377	
8.40	18.00	.6100	.1331	.9517	-.0078	.0393	.5176	.6226	.0469	-.0132	-.0378	
8.39	21.00	.5730	.1214	.9074	-.0079	.0425	.5891	.5843	.0404	-.0137	-.0410	
8.39	21.00	.5773	.1193	.9109	-.0090	.0419	.5871	.5883	.0378	-.0147	-.0403	
8.38	24.00	.5476	.0959	.8546	-.0103	.0465	.6631	.5556	.0186	-.0156	-.0447	
8.38	24.00	.5466	.0957	.8551	-.0103	.0466	.6665	.5545	.0187	-.0157	-.0448	
8.35	27.00	.6485	.1754	.6511	.0063	-.0527	.8322	.6666	.0835	-.0011	-.0731	
8.35	27.00	.6432	.1740	.6525	.0065	-.0517	.8274	.6611	.0828	-.0007	-.0521	
8.33	30.00	.4574	.0663	.6991	-.0062	-.0411	.7994	.4621	.0020	-.0119	-.0399	
8.33	30.00	.4600	.0674	.6951	-.0054	-.0410	.8006	.4649	.0027	-.0110	-.0398	

**Table 3**  
**Wind-Tunnel Test Program**

Run	$\alpha$ , deg	$\beta$ , deg	$q$ , psf	CONFIGURATION														Remarks
				B	L	S	D <sub>T</sub>	D <sub>A</sub>	E <sub>T</sub>	E <sub>A</sub>	V	H	N	V	I	R		
30	-10 - 30	-6	30	B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	Off	--	0°	Tail-off characteristics	
31	0	0		B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	Off	--	0°		
32	6	6		B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	Off	--	0°		
33	0	-6 - 30		B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	Off	--	0°		
34	6			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	Off	--	0°		
35	12			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	Off	--	0°		
36	-10 - 30	0	67.5	B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°	Basic stability	
37	0	-6	30	B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
38		0		B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
39	6	6		B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
40	0	-6 - 30		B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
41	4			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
42	8			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
43	12			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
44	16			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
45	12			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
46	16			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	--	0°		
47	-10	-6 - 30	30	B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°	Small ventral fin	
48	-6			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
49	-2			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
50	0			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
51	2			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
52	6			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
53	10			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
54	12			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
55	16			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
56	20			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
57	24			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		
58	28			B	L	—	5°	3°	0°	0°	A <sub>3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>1</sub>	0°		

Table 3 (Continued)

Run	$\alpha$ , deg.	$\beta$ , deg.	$\phi$ , deg.	C O N F I G U R A T I O N												Remarks	
				B	L	S	D <sub>F</sub>	D <sub>A</sub>	E <sub>F</sub>	E <sub>A</sub>	H	M	V	Y	R		
59	-10	-6 - 30	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	Y <sub>2</sub>	0°	Large ventral fin
60	-6																
61	-10																
62	-6																
63	-2																
64	0																
65	2																
66	6																
67	10																
68	12																
69	16																
70	20																
71	24																
72	28																
73	-8 - 28	0	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	--	0°	Comparison run
74	-8 - 28	0	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	Off	2A	--	0°	Macelles off
75	0	-6 - 30															
76	-8 - 28	0	30	B	L	--	Off	3°	Off	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	--	0°	Forward ducts off
77	0	-6 - 30															
78	-10 - 30	-6															
79	-8 - 28	0	30	B	L	--	5°	3°	Off	0	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	--	0°	Forward ducts on, forward elevons off
80	0	-6 - 30															
81	-10 - 30	-6															
82	-10 - 30	0	30	B	L	--	10°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	--	0°	Forward duct wash effects
83		-6															
84		6															
85	0	-6 - 30															
86	6																
87	12																

Large ventral fin

Comparison run

Macelles off

Forward ducts off

Forward ducts on, forward elevons off

Forward duct wash effects





Table 3 (Continued)

Run	deg	B, deg	q, psf	CONFIGURATION												Remarks	
				B	L	S	D <sub>p</sub>	D <sub>A</sub>	E <sub>1</sub>	E <sub>2</sub>	H	N	V	Y	R		
119	-8 - 30	0	30	B	L	--	5°	3°	Off	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2F	Off	0°	Forward ducts in design position
120	↑	3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
121	↑	6	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
122	-6 - 30	0	30	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
123	-8 - 26	0	30	B	L	--	5°	3°	Off	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2F	Off	0°	Short chord front elevons
124	-4 - 20	3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
125	↑	6	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
126	-8 - 30	0	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	Off	0°	Landing gear extended Omitted
127																	
128																	Landing gear extended
129	8	-9 - 30	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	Off	0°	
130	12	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	Wing triangular trailing-edge extension
131	-8 - 30	0	30	B	L	--	5°	3°	0°	0°	E <sub>+3</sub>	A <sub>-10</sub>	0°	2A	Off	0°	
132	↑	3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
133	↑	6	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
134	8	-6 - 30	30	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
135	-8 - 26	0	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	4AT	Off	0°	Slab vertical tail with slab T-tail
136	↑	3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
137	↑	6	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
138	8	-6 - 30	30	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
139	-8 - 30	0	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	4A	Off	0°	Slab vertical tail
140	-8 - 26	0	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	↑	↑	↑	
141	↑	3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
142	↑	6	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
143	8	-6 - 30	30	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	Fuselage boattail modification
144	-8 - 26	0	30	BT <sub>1</sub>	↑	↑	↑	↑	↑	↑	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	Off	0°	
145	↑	3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
146	↑	6	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
147	8	-6 - 30	30	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
148	-8	-9 - 18	30	B	L	--	5°	3°	0°	0°	A <sub>+3</sub>	A <sub>-10</sub>	0°	2A	Off	0°	Check run.



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